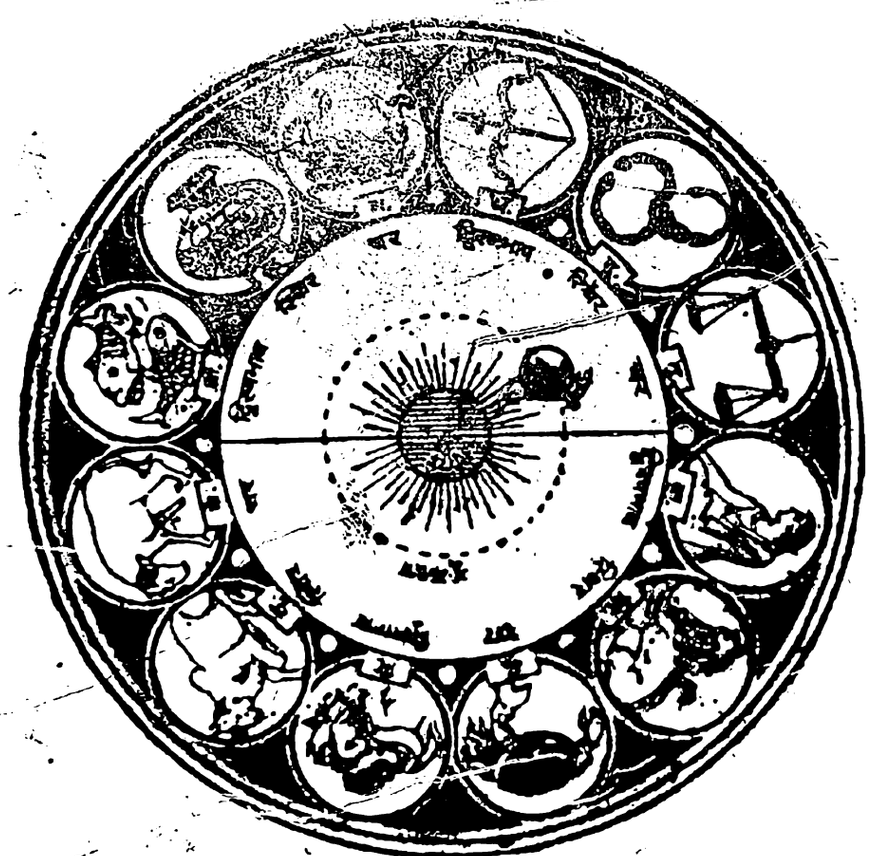
FIND

YOUR LAGNA

IN A MINUTE

Quickest Easiest Method of finding the lagna for any time, any date and any place in India and other countries in less than a minute without serious calculations. First of its kind. A beacon light to the Astrologer and the student.



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FIND YOUR LAGNA IN A MINUTE

Quickest and Easiest way of Finding the Lagna for any date, time and place in less than a minute with many useful Tables

K. Nagaraja Rao

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FOREWORD

LAGNA is the key for predicting of horoscope. It is impossible to fix the auspicious timings (Muhoortha) without deciding the Lagna. In Horary Astrology too, Lagna is the key to predict the good and bad effects of a query. No book in English Language is found to derive the Lagna quickly, easily as per Hindu Nirayana System.

Time consumed to Calculate the Lagna as per Panchanga methods or any modern table is too much and several calculations are involved. To avoid these difficulties this book is of great help.

This book also provides useful tables for calculating the Thithi, Yoga, Karna, Sun rise, Shadvargas, Astaka varga, etc., in minutes. In bringing out this book full Co-operation and study of manscripts are done by my son N. Keerthi Raj.

I hope the adept and the advanced astrologer will receive this book and adopt advantageously. Any errors crept in will be rectified in our next edition.

Date : 15-12-1986

K. NAGARAJA RAO

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PROCEDURE TO BE FOLLOWED IN FINDING THE LAGNA (RISING SIGN) THROUGH THIS BOOK

1. Note down the date, time and place of birth of the person whose lagna is to be found.

2. Note as per Table 1 latitude, longitude and time correction for that place to be applied for getting Local Mean Time. Add the correction if it is given as plus (+) and subtract if it is given as minus (–) to the given time of birth.

3. The time arrived after correction is called Local Mean Time. Express this time in hours, minutes, seconds as in Railway or Postal system.

4. Increase and add at the rate of 10 secs per hour (as per Table in page 53).

5. Then add the sidereal time of date, month and year to the above time (as in Table 2).

6. You get total sidereal time. (If the addition increases about 24 hours deduct 24 hours). Refer this sidereal time in the Table 31 for the nearest latitude of that place and see where closely this time is coinciding under which sign and degree. That will be Lagna or the Ascendant reguired.

7. In case of a latitude having minutes less than 30' then refer to the degree indicated behind. If the minutes in latitude of a place is more than 30 then see the sidereal hours in the next degree.

PRACTICAL EXAMPLES FOR FINDING THE LAGNA (ASCENDANT)

Ex. 1 :—India's Prime Minister Sri Rajiv Gandhi was born on 20th August 1944 at 9-11 AM at Bombay. Let us find the lagna at birth.

Since the time of birth is in war time deduct one hour to get Indian Standard Time.

	hr.	*mt.*	*secs.*
SO TIME OF BIRTH	8	11	00
Correction for Bombay as per Table 1	—0	38	40
Local mean time for Birth	7	32	20
Increase at 10 secs per hour and add	0	01	15
	7	33	35
Add to this the sidereal time of the date (as in the Table 2, page 19)	21	52	24
	29	25	59

Since the total hours have increased more than 24 hours deduct so much. Then it will be 5 hr 25 mt 59 secs. Bombay is situated at 18°–58′ N Latitude. It is nearest to 19° latitude. So refer Table III, page 37 and find where these hours closely tally. It falls under the sign Simha (Leo) 28° and 29°. This is the Lagna or the rising sign at Birth. Calculating precisely it is arrived as 28°–41′ Leo.

Ex. 2 :—Mr. Jaganath was born on 10th February 1935 at 3-00 AM at Madras. Let us find the Ascendant.

	hr.	*mt.*	*secs.*
TIME OF BIRTH	3	00	00
Correction for Madras as per Table 1	—0	09	00
Local Mean Time	2	51	00
Increase at 10 secs per hour and add	0	00	29
	2	51	29
Add the sidereal time of the date (as in page 24, Table 2)	9	16	23
	12	07	52

Since Madras latitude is very nearest to 13° N. Latitude refer page 31, Table 3 and find where closely the above hours tally. It falls in between 3° and 4° of Dhanus (Sagittarius). Calculating precisely the exact point of Ascendant is 3°-18′ Dhanus.

Ex. 3 :—Mr. Rakesh was born on 14th November 1967 at 3-40 AM at Bangalore. Let us know his Ascendant.

	hr.	*mt.*	*secs.*
TIME OF BIRTH	3	40	00
Correction to Bangalore as in Table 1	−0	19	28
L M T of birth	3	20	32
Increase at 10 secs per hour and add	0	00	33
	3	21	05
Add sidereal time of the date (Refer page 24, Table 2)	3	28	29
	6	49	34

Latitude of Bangalore is nearest to 13°. So refer page 31 for 13° N. Latitude and see where closely the above time tallies. It will be found between 19° and 20° of Kanya. Precisely calculating it is found as 19°—1′ Kanya (Virgo) rising.

Ex. 4 :—Mrs. Mahalakshmi was born on 12th March 1957 at 12-03 AM at Calcutta. Let us know her lagna.

	hr.	*mt.*	*secs.*
BIRTH TIME	0	03	00
Correction to Calcutta as per Table 1	+0	23	30
Local Mean time of birth	0	26	30
Increase at 10 secs per hour and add	0	00	05
	0	26	35
Add sidereal time of the date (page 20, Table 2)	11	16	41
	11	43	16

Calcutta's latitude is 22°-34′ N. So refer at 23°. Latitude in page 41. Lagna falls in between 23° and 24° at Vrischika. Calculating precisely it will be 23°-27′ of Scorpio.

Ex. 5 :—Miss Rama was born on 19th May 1971 at 3-16 AM at Khatmandu (Nepal). Let us find her Lagna.

	hr.	*mt.*	*secs.*
TIME OF BIRTH	3	16	00
Correction to Khatmandu (page 16)	+0	10	48
Local Mean Time	3	26	48
Increase at 10 secs per hour and add	0	00	35
	3	27	23
Add sidereal time of date	+15	42	44
	19	10	07

Khatmandu falls in Latitude 27°-42′ N. So refer our Table 3, page 46 of 28°. Lagna Tables ane find where the above hours closely tally. It falls in between 1° and 2° of Mesha. Precisely working it will be found Mesha 1°-11′ was be the rising sign.

Ex. 6 :—Smt. Indira Gandhi (Former Prime Minister of India) was born on 19-11-1917 at 11-11 at Allahabad. Let us find her birth Ascendant.

	hr.	*mt.*	*secs.*
TIME OF BIRTH	11	11	00 PM
A day as per calendar commences from mid-night 12'O' clock. As such number of hours from that moment till birth is	23	11	00
Correction for Allahabad	−00	02	24
L M T	23	08	36
Increase at 10 secs per hour and add	00	03	52
	23	12	28
Add sidereal time of the date	3	50	18
Total hours	27	02	46

Since the total has exceeded than 24 hours deduct so much. Then it will be 3 hrs 2 mt 46 secs. Refer to Table 3 indicating the Lagna tables for 25° N. Latitude and find out where the above hours tally to the nearest. It will be found falling

between 27° and 28° of Karkataka (Cancer) working out precisely it will be exactly at 27°–4′ Karkataka rising.

Ex. 7 :—Sri N. T. Rama Rao, Chief Minister of Andhra Pradesh was born on 28–5–1923 at 4–41 PM at a place lying at latitude 16°.26 N and longitude 81° East. Let us find his birth Ascendant.

	hr.	*mt.*	*secs.*
TIME OF BIRTH	16	41	00
Correction to place of birth	— 00	06	00
	16	35	00
Increase at 10 secs per hour and add	00	02	46
	16	37	46
Add the sidereal time of date of birth	16	18	13
	32	55	59

Since the total exceeds 24 hours deduct so much. Then it will be 8 hr 55 mt 57 secs. Refer to Table of Ascendant in page 34. You will find the time of birth tallies very nearer between 18° and 19° of Libra. By precise calculations we can say it is 18°–40′ of Thula rising.

Ex. 8 :—India was declared Independent on 15th August 1947 at midnight 12 'O'Clock, i.e., zero hour at Delhi. Let us find the Lagna for that moment.

	hr.	*mt.*	*secs.*
TIME OF DECLARATION	24	00	00
Correction to Delhi as per Table 1	— 00	21	08
Local Mean time	23	38	52
Increase at the rate of 10 secs per hour	+ 00	03	56
	23	42	48
Add sidereal time of 14th August 1947	21	25	45
	45	08	33

As the total is above 24 hours deduct 24 hours. You will get 21 hr 8 mt 33 secs. Refer Table 3 in page 47 and find out where this hours, tally nearby. It will be in between 7° and

8° of Vrishabha (Taurus). By precise working it will be falling exactly at 7°–44′ Taurus.

Ex. 9 :—Sri Jayawardhane, Prime Minister of Sri Lanka was born on 17th September 1906 at 7–23 AM nearer Anuradhpur.

		hr.	*mt.*	*secs.*
TIME OF BIRTH		7	23	00
Correction to place	—	0	08	28
Local time of birth	+	7	14	32
Increase at 10 secs per hour and add		0	01	12
		7	15	44
Add the sidereal time of the date as in Table 1	+	23	40	46
		30	56	30

Since the total is above 24 hours deduct so much. It will be 6 hrs 56 mts 30 secs. Refer to table 3 of Latitude 8° N and see where these hours tally to the nearest. It will be found to tally under 21° and 22° of Kanya (Virgo). Precisely we can say the Ascendant is 21°–13′ of Virgo.

FINDING THE LAGNA THROUGH PANCHANGA METHOD

Let us practically write a Horoscope for a child assumed to have been born on 15th August 1974 at 10.00 AM at Bangalore.

Data produced :

I. Place of birth : Bangalore
   Latitude - 13° N and 77.35 E Long
II. Sun rise : 6.10 AM by the table
III. Time of birth : 10.00 AM
IV. The difference between Sun rise and time of birth is 3 hrs 50 mts.

V. Covert this into Hindu time

$$\left.\begin{array}{l} 3 \times 2\frac{1}{2} = 7.30 \\ 50 \times 2\frac{1}{2} = 2.05 \end{array}\right\} = 9\text{–}35 \text{ ghatikas total}$$

So lagna is to be found for 9 ghts 35 vghts on 15th August 1974.

By referring to Panchanga the following details of the day are described.

24/15/30 Guru/Dwadasi 4–42 (8–7) Upari Thrayodasi 54–7 (5–46) Vakye Dwadasi 6–14 (8–44) Puna 52–45 Vajra 5–24 Upori Sidda 52–34 Thaithu 4–42 upari Gara 27–3 Vi 24–34 Amruta 46–59 Aslesha 4 Buda 33–11 Pushya 2 Sukra 16–15 Pradosha/Independence Day/ /Avamaha/Sakram/ / Bukthi 4–59.

1. This indicates the week day is Thursday.
2. Thithi is Dwadasi + Thrayodasi up to 8–7 AM and 5–46 AM next day.
3. Nakshatra is Punarvasu lasting for 52 ghts 45 vghts from Sun rise.
4. Vajra and Siddha are two yogas lasting upto 5–24 and 52–34 ghts after Sun rise,
5. Thaitula karna 4–42 and gara 27–3 ghts.

Vi–24–34 for $4\frac{1}{2}$ ghts. (Vi means Visha)
Amruta–46–59 for $4\frac{1}{2}$ ghts. (Amru–AMRUTA)

Ashlesha 4 Buda @ 33–11 ghts means Buda enters Ashlesha 4th quarter (pada) at 33–11 ghts after Sun rise.

Pushya 2 Sukra means Sukra enters pushya at 16–15 ghts.

Lastly Bukti 4–59
This means the duration of Kataka in which the Sun in that month is past @ Sun rise on 15th by 4–59 ghatikas out of its total ghatikas.

By referring to tables of Lagna Pramana (Rasimanas) we note that kataka for 13° N Lat. is 5–24 ghts. So subtracting 4–59 by 5–24 we get the balance of Udaya lagna or the duration of Kataka lagna from Sun rise.
5.24 — 4.59 = 0.25 ghts.

So Kataka lagna will be running for 0–24 vghts from Sun rise.

But it is not equivalent to birth ghts i.e., 9–35 ghts.

So add the next rasi duration to 0.24 ghts (i.e., Simha Rasi duration) 0–24 + 5–09 = 5–33 ghts.

Even this is lesser than the birth ghts.

Add next Rasi duration i.e., 5.04 ghts of Kanya to the above total 5–33 + 5–04 = 10–37 ghts.

This is more than the duration of birth ghts. So birth must have taken place in Kanya Lagna. Now we find that after 5.33 ghts Simha has ended and Kanya has commenced. Birth ghts being 9–35 and Simha last by 5–33 ghts. The difference 4–02 ghts is the Kanya Lagna last at birth.

The Longitude of the Lagnam can be arrived then for 5–04 ghts of Kanya the sign arc is of 30°

for 1 ght — $\frac{30}{5.04}$ or $\frac{30}{304}$.

(convert 5–04 into Vghts to get 304 Vghts)

Now for 4–02 ghts $\frac{242 \times 30}{304}$ degrees = 24°–40′–09″

This is actual point of the Zodiac sign Kanya considered as Lagna.

Latitude, Longitude of Important places of India, Pakistan and Bangladesh along with time correction to get Local Meantime from standard time.

ಭಾರತ, ಪಾಕೀಸ್ತಾನ, ಬಂಗ್ಲಾದೇಶದ ಪ್ರಮುಖ ಸ್ಥಳಗಳಿಗೆ ಅಕ್ಷಾಂಶ, ರೇಖಾಂಶ ಮತ್ತು ಸ್ಟ್ಯಾಂಡರ್ಡ್ ಕಾಲವನ್ನು ಸ್ಥಳೀಯ ಕಾಲಕ್ಕೆ ಪರಿವರ್ತಿಸಲು ಮಾಡಬೇಕಾದ ತಿದ್ದುಪಡಿ.

Important Places in India, Pakistan, Bangladesh, Cylone, Nepal etc.	ಭಾರತ, ಪಾಕೀಸ್ತಾನ ಬಂಗ್ಲಾದೇಶ, ಸಿಲೋನ್, ನೇಪಾಳ್ ಇತ್ಯಾದಿ ದೇಶದ ಪ್ರಮುಖ ಸ್ಥಳಗಳು	North Latitude ಉತ್ತರ ಅಕ್ಷಾಂಶ	East Longitude ಪೂರ್ವ ರೇಖಾಂಶ	Correction of Time to get LMT ಲೋಕಲ್ ಟೈಂ ಪಡೆಯಲು ತಿದ್ದುಪಡಿ
KARNATAKA	ಕರ್ನಾಟಕ	ಡಿ. ನಿ.	ಡಿ. ನಿ.	ನಿ ಸೆ.
Bangalore	ಬೆಂಗಳೂರು	12 58	77 38	-19 28
Doddaballapur	ದೊಡ್ಡಬಳ್ಳಾಪುರ	13 18	77 37	-19.32
Hosakote	ಹೊಸಕೋಟೆ	13 05	77 47	-18.52
Devanahally	ದೇವನಹಳ್ಳಿ	13 15	77 40	-19.20
Anekal	ಆನೇಕಲ್	12 43	77 43	-19.08
Kanakapura	ಕನಕಪುರ	12 33	77 30	-20 00
Channapatna	ಚನ್ನಪಟ್ಟಣ	12 40	77 17	-20.52
Ramanagara	ರಾಮನಗರ	12 44	77 22	-20.32
Magadi	ಮಾಗಡಿ	12 57	77 18	-20.48
Nelamangala	ನೆಲಮಂಗಲ	13 07	77 28	-20.08
Nandi	ನಂದಿ	13 22	77 44	-19.04
Jalahally	ಜಾಲಹಳ್ಳಿ	13 5	77 30	-20.00
Mysore	ಮೈಸೂರು	12 18	76 37	-23.32
Nanjangudu	ನಂಜನಗೂಡು	12 07	76 40	-23.20
T. Narasipur	ಟಿ. ನರಸೀಪುರ	12 13	76 56	-22.16
K. R. Nagar	ಕೆ. ಆರ್. ನಗರ	12 29	76 23	-24.28
Hunsur	ಹುಣಸೂರು	12 19	76 19	-24.44
Periyapatna	ಪೆರಿಯಪಟ್ಣ	12 20	76 13	-25.08
Heggadadevanakote	ಹೆಗ್ಗಡದೇವನ ಕೋಟೆ	12 08	76 19	-24.44
Gundlupet	ಗುಂಡ್ಲುಪೇಟೆ	11 54	76 41	-23.16
Chamarajanagar	ಚಾಮರಾಜನಗರ	10 56	76 55	-22.20
Yelandur	ಯಳಂದೂರು	12 04	77 03	-21.48
Kollegal	ಕೊಳ್ಳೆಗಾಲ	12 10	77 07	-21.32

Mandya	ಮಂಡ್ಯ	12 33	76 57	-22·12
Nagamangala	ನಾಗಮಂಗಲ	12 52	76 42	-23·12
K. R. Pet	ಕೆ. ಆರ್. ಪೇಟಿ	12 40	76 29	-24 04
Pandavapura	ಪಾಂಡವಪುರ	12 24	77 09	-21·24
Srirangapatna	ಶ್ರೀರಂಗಪಟ್ಟಣ	12 25	76 41	-23·16
Maddur	ಮದ್ದೂರು	12 37	77 02	-21·52
Malavalli	ಮಳವಳ್ಳಿ	12 22	77 04	-21·44
Chitradurg	ಚಿತ್ರದುರ್ಗ	14 14	76 14	-25·04
Molakalmuru	ಮೊಳಕಾಲ್ಮೂರು	14 41	76 45	-23 00
Harihar	ಹರಿಹರ	14 31	75 49	-26 44
Davanagere	ದಾವಣಗೆರೆ	14 18	75 56	-26·16
Jagalooru	ಜಗಳೂರು	14 31	76 20	-24·40
Challekere	ಚಳ್ಳಕೆರೆ	14 21	76 40	-23·20
Hiriyur	ಹಿರಿಯೂರು	14 58	76 37	-23·32
Hosadurga	ಹೊಸದುರ್ಗ	13 49	76 18	-24·48
Holalkere	ಹೊಳಲ್ಕೆರೆ	14 04	76 12	-25·12
Kolar	ಕೋಲಾರ	13 09	78 11	-17·19
Bangarapet	ಬಂಗಾರಪೇಟಿ	13 00	78 12	-17·12
Mulbagal	ಮುಳಬಾಗಿಲು	13 11	78 17	-16·52
Gauribidanur	ಗೌರೀಬಿದನೂರು	13 38	77 31	-19·56
Gudibande	ಗುಡಿಬಂಡೆ	13 40	77 46	-18·56
Bagepally	ಬಾಗೇಪಲ್ಲಿ	13 48	77 51	-18 36
Chikkaballapur	ಚಿಕ್ಕಬಳ್ಳಾಪುರ	13 27	77 28	-18·48
Chinthamani	ಚಿಂತಾಮಣಿ	13 27	78 05	-17·40
Srinivasapur	ಶ್ರೀನಿವಾಸಪುರ	13 22	78 16	-16 56
Malur	ಮಾಲೂರು	13 01	78 00	-18 10
Sidlaghatta	ಶಿಡ್ಲಘಟ್ಟ	13 26	77 53	-18·28
Tumkur	ತುಮಕೂರು	13 20	77 08	-21 28
Sira	ಶಿರ	13 45	76 54	-22·24
Pavagada	ಪಾವಗಡ	14 08	77 17	-20 52
Madhugiri	ಮಧುಗಿರಿ	13 41	77 14	-21·04
Koratagere	ಕೊರಟಗೆರೆ	13 31	77 13	-21 08
Chikkanayakanahally	ಚಿಕ್ಕನಾಯಕನಹಳ್ಳಿ	13 25	76 38	-23·28
Tiptur	ತಿಪಟೂರು	13 20	76 30	-24 00
Turvekere	ತುರುವೇಕೆರೆ	13 08	76 39	-23 24
Gubbi	ಗುಬ್ಬಿ	13 20	76 57	- 2.12
Kunigal	ಕುಣಿಗಲ್	13 08	77 01	-21 56
Gulbarga	ಗುಲ್ಬರ್ಗ	16 21	76 50	-22·40
Aland	ಅಳಂದ್	17 28	76 36	-23·36
Chincholi	ಚಿಂಚೋಲಿ	17 29	77 23	-20·28

Afsalpur	ಅಫಜಲ್‌ಪುರ	17 12	76 22	–24.32
Jivargi	ಜೀವರ್ಗಿ	17 02	76 45	–23.00
Chitapura	ಚಿತಾಪುರ	17 08	77 05	–21.40
Siram	ಸೀರಾಂ	17 12	77 16	–20.56
Yadgeer	ಯಾದ್ಗೀರ್	16 47	77 08	–21.28
Shahapur	ಷಹಾಪುರ	16 45	76 48	–22 48
Shorapur	ಷೋರಾಪುರ	16 31	76 43	–23.08
Chikkamagalore	**ಚಿಕ್ಕಮಗಳೂರು**	13 18	75 48	–26.48
Narasimharaja-pura	ನರಸಿಂಹರಾಜಪುರ	13 32	75 07	–29.32
Koppa	ಕೊಪ್ಪ	13 33	75 22	–28.32
Kadur	ಕಡೂರು	13 34	76 01	–25.56
Tarikere	ತರೀಕೆರೆ	13 44	75 51	–26.36
Mudigere	ಮೂಡಿಗೆರೆ	13 08	75 38	–27.28
Sringeri	ಶೃಂಗೇರಿ	13 25	75 20	–28 40
Bellary	**ಬಳ್ಳಾರಿ**	15 10	76 55	–22.20
Siraguppa	ಶಿರಗುಪ್ಪ	15 40	76 54	–22.24
Hospet	ಹೊಸಪೇಟೆ	15 19	76 24	–24 24
Hadagali	ಹಡಗಲಿ	14 58	76 07	–25.32
Harapanahally	ಹರಪನಹಳ್ಳಿ	14 50	76 01	–25.56
Kudaligi	ಕೂಡಲಿಗಿ	14 55	76 21	–24.36
Sandur	ಸಂಡೂರ್	15 08	76 33	–23.48
Mallapuram	ಮಲ್ಲಾಪುರಂ	15 17	76 17	–24.52
Karwar (N.K.)	**ಕಾರವಾರ(ಉ.ಕ.)**	14 48	74 08	–33.28
Soopa	ಸೂಪ	15 17	74 30	–32.00
Haliyala	ಹಲಿಯಾಳ	15 20	74 45	–31.00
Yallapura	ಯಲ್ಲಾಪುರ	14 59	74 46	–30.56
Mundagola	ಮುಂಡಗೋಳ	15 00	75 08	–29.28
Ankola	ಅಂಕೋಲ	14 40	74 20	–32.40
Sirsi	ಶಿರ್ಸಿ	14 38	74 52	–30.23
Siddapura	ಸಿದ್ದಾಪುರ	14 21	74 55	–30.20
Kumta	ಕುಮಟ	14 26	74 25	–32.20
Honnavara	ಹೊನ್ನಾವರ	14 18	74 27	–32.12
Bhatkal	ಭಟ್ಕಳ್	14 00	74 34	–31.44
Mangalore — (D.K.)	**ಮಂಗಳೂರು (ದ.ಕ.)**	12 51	74 51	–30.36
Karkala	ಕಾರ್ಕಳ	13 12	75 00	–30 00
Puttur	ಪುತ್ತೂರು	12 45	75 11	–29.16
Coondapur	ಕುಂದಾಪುರ	13 38	74 42	–31.12
Udupi	ಉಡುಪಿ	13 23	74 45	–31.00
Belathangdi	ಬೆಳ್ತಂಗಡಿ	13 05	74 23	–32.28

Table ಪಟ್ಟಿ—1

Soolya	ಸೂಳ್ಯ	12 38	75 35	-27 40
Bantwal	ಬಂಟ್ವಾಳ್	12 54	75 00	-30.00
Shimoga	**ಶಿವಮೊಗ್ಗ**	13 56	75 31	-27 56
Soraba	ಸೊರಬ	14 23	75 09	-29 24
Sagar	ಸಾಗರ	14 07	75 00	-30.00
Hosanagar	ಹೊಸನಗರ	13 55	75 51	-26.36
Thirthahally	ತೀರ್ಥಹಳ್ಳಿ	13 42	75 14	-29.04
Shikaripura	ಶಿಕಾರಿಪುರ	14 17	75 22	-28 32
Honnali	ಹೊನ್ನಾಳಿ	14 14	75 40	-27.20
Bhadravati	ಭದ್ರಾವತಿ	13 54	75 38	-27 28
Channagiri	ಚನ್ನಗಿರಿ	14 04	75 54	-26.24
Hassan	**ಹಾಸನ**	13 00	76 08	-25 28
Arasikere	ಅರಸಿಕೆರೆ	13 19	76 16	-24.56
Beloor	ಬೇಲೂರು	13 09	75 51	-26.36
Manjarabad	ಮಂಜರಾಬಾದ್	12 54	75 47	-26 52
Alooru	ಅಲೂರು	12 57	76 01	-25.56
Channaraya patna	ಚನ್ನರಾಯಪಟ್ಟಣ	12 54	76 22	-24.32
Arakalagoodu	ಅರಕಲಗೂಡು	12 45	76 05	-25.40
Holenarasipur	ಹೊಳೆನರಸೀಪುರ	12 46	76 15	-25 00
Madakeri	**ಮಡಕೇರಿ**	12 25	75 45	-27 00
Somavarapet	ಸೋಮವಾರಪೇಟೆ	12 35	75 52	-26 32
Veerajpet	ವೀರಾಜಪೇಟೆ	12 13	76 49	-26.44
Dharwad	**ಧಾರವಾಡ**	15 27	75 00	-30.00
Naragunda	ನರಗುಂದ	15 44	75 24	-28 24
Navalagunda	ನವಲಗುಂದ	15 44	75 22	-28 32
Ronna	ರೋಣ	15 42	75 43	-27.08
Kundagolu	ಕುಂದಗೋಳು	15 18	75 10	-29 20
Kalaghatagi	ಕಲಘಟಗಿ	15 11	74 58	-30.08
Ranibennuru	ರಾಣಿಬೆನ್ನೂರು	14 39	75 39	-27.24
Hirekeruru	ಹಿರೇಕೇರೂರು	14 28	75 25	-28 20
Hubli	ಹುಬ್ಬಳ್ಳಿ	15 21	75 09	-29.24
Hanagal	ಹಾನಗಲ್	14 48	75 10	-29 20
Mundaragi	ಮುಂಡರಗಿ	15 12	75 54	-26 24
Shigaum	ಶಿಗ್ಗಾಂವ್	14 58	75 08	-29.28
Savanur	ಸವನೂರು	14 58	75 27	-28.12
Haveri	ಹಾವೇರಿ	14 48	75 28	-28.08
Gadag	ಗದಗ್	15 28	75 39	-27 24
Byadagi	ಬ್ಯಾಡಗಿ	14 44	75 33	-27.48
Sirahatti	ಶಿರಹಟ್ಟಿ	15 14	7534	-27 44

Bidar	ಬಿದರೆ	17 55	77 30	-20.00
Bhalki	ಬಾಲ್ಕಿ	18 04	77 12	-21.12
Aurad	ಔರದ್	18 16	77 23	-20.28
Basavakalyana	ಬಸವಕಲ್ಯಾಣ	17 55	76 55	-22.20
Humanabad	ಹುಮನಾಬಾದ್	17 48	77 06	-21 36
Raichur	ರಾಯಚೂರು	16 13	77 21	-20.36
Devadurga	ದೇವದುರ್ಗ	16 25	76 54	-22.24
Lingasoogur	ಲಿಂಗಸೂಗೂರು	16 10	76 30	-24 00
Maswi	ಮಾಸ್ವಿ	16 00	77 01	-21.56
Sindhanur	ಸಿಂಧನೂರು	15 45	76 44	-23.04
Kushtagi	ಕುಷ್ಟಗಿ	15 43	76 10	-25.20
Yalaburgi	ಯಲಬುರ್ಗಿ	15 33	76 01	-25 56
Gangavathi	ಗಂಗಾವತಿ	15 29	76 30	-24 00
Koppala	ಕೊಪ್ಪಳ	15 22	76 10	-25.20
Bijapur	ಬಿಜಾಪುರ	16 48	75 42	-27.12
Indi	ಇಂಡಿ	17 11	75 57	-26.12
Sindhagi	ಸಿಂದಗಿ	16 56	76 14	-25.04
Bagevadi	ಬಾಗೆವಾಡಿ	16 34	75 57	-26.12
Muddebihala	ಮುದ್ದೇಬಿಹಾಳ	16 19	76 00	-26 00
Hunagunda	ಹುನಗುಂದ	16 04	76 04	-25.44
Bagalkote	ಬಾಗಲಕೋಟೆ	16 10	75 50	-26 40
Badami	ಬಾದಾಮಿ	15 55	75 50	-26.40
Mudhola	ಮುಧೋಳ	16 22	75 18	-28.48
Jamakhandi	ಜಮಖಂಡಿ	16 25	75 06	-29 36
Belagi	ಬೀಳಗಿ	16 22	75 40	-27 20
Belagaum	ಬೆಳಗಾಂ	15 54	74 36	-31 36
Athani	ಅಥಣಿ	16 45	75 04	-29.44
Rayabagh	ರಾಯಭಾಗ್	16 30	74 56	-30 16
Chikkodi	ಚಿಕ್ಕೋಡಿ	16 27	74 35	-31.40
Hukkeri	ಹುಕ್ಕೇರಿ	16 14	74 36	-31.36
Gokak	ಗೋಕಾಕ	16 19	74 51	-30.36
Ramadurg	ರಾಮದುರ್ಗ	15 55	75 10	-29 20
Narasagad	ನರಸಗಡ್	15 48	75 06	-29 36
Sampgaum	ಸಂಪಗಾಂವ	15 40	75 0	-26.40
Khanapura	ಖಾನಪುರ	15 35	74 32	-31.52

TELUGU DESHAM (AP) ಆಂಧ್ರಪ್ರದೇಶ

Adilabad	ಆದಿಲಾಬಾದ್	19 37	78 30	-16 00
Ananthapur	ಅನಂತಪುರ	14 41	77 37	-19.32
Dharmavaram	ಧರ್ಮಾವರಂ	14 24	77 44	-20 24
Hindupur	ಹಿಂದೂಪುರ	13 49	77 32	-19.52
Kadiri	ಕದಿರಿ	14 07	78 14	-17.04

Penukonda	ಪೆನುಕೊಂಡ	14 05	77 36	–19 36
Chittoor	ಚಿತ್ತೂರು	13 13	78 08	–13.44
Kalahasthi	ಕಾಳಹಸ್ತಿ	13 45	79 54	–10.24
Pakala	ಪಾಕಲ	13 30	79 05	–13.40
Palmaner	ಪಲಮನೇರು	13 14	78 44	–15 04
Thirupathi	ತಿರುಪತಿ	13 40	79 20	–12 40
Caddapa	ಕಡಪ	14 28	78 50	–14.40
Elluru	ಎಲ್ಲೂರು	16 43	81 09	– 5.24
Guntur	ಗುಂಟೂರು	16 22	79 54	–10 24
Hyderabad	ಹೈದರಾಬಾದು	17 26	78 30	–16 00
Secunderabad	ಸಿಂಕಂದರಾಬಾದು	17 27	78 27	–16.12
Golconda	ಗೋಲ್ಕಂಡ	17 23	78 27	–16.12
Karimnagar	ಕರೀಂನಗರ್	18 28	79 06	–13.36
Khammam	ಖಮ್ಮಾಮ್	17 15	80 11	– 9.16
Kurnool	ಕರ್ನೂಲ್	15 50	78 03	–17.48
Adoni	ಅಡೋನಿ	15 38	77 19	–20 44
Mahabubnagar	ಮಹಬೂಬ್‌ನಗರ್	16 43	78 00	–18.00
Medak	ಮೇಡಕ್	18 03	78 15	–17.00
Nalagonda	ನಲಗೊಂಡ	17 03	79 15	–13.00
Nelloore	ನೆಲ್ಲೂರು	14 27	80 00	–10 00
Nizamabad	ನಿಜಾಮಾಬಾದ್	18 41	78 06	–17.36
Bhadrachalam	ಭದ್ರಾಚಲಂ	17 40	80 56	– 6.16
Sri Harikota	ಶ್ರೀಹರಿಕೋಟ	13 45	80 15	– 9.00
Parkasam	ಪರ್ಕಾಸಮ್	15 30	80 06	– 9.36
Sri Shailam	ಶ್ರೀಶೈಲ	16 02	78 56	–14.16
Rajamundry (E.G.)	ರಾಜಮುಂಡ್ರಿ (ಪೂ.ಗೊ.)	17 03	81 45	– 3.00
Kakinada	ಕಾಕಿನಾಡ	16 57	82 14	– 1.04
Sri Kakulam	ಶ್ರೀಕಾಕುಳಂ	18 17	83 56	+ 5.44
Vijayawada	ವಿಜಯವಾಡ	16 31	80 39	– 7.24
Vishakhapatnam	ವಿಶಾಖಪಟ್ಟಣಂ	17 42	83 20	+ 3.20
Warangal	ವಾರಂಗಲ್	17 58	79 40	–11.20
Chirala	ಚಿರಾಲ	15 50	80 22	– 8.32
Gudiwada	ಗುಡಿವಾಡ	16 25	81 00	– 6.00
Gudur	ಗೂಡೂರು	14 09	79 54	–10.24
Hanamkonda	ಹನಮಕೊಂಡ	18 03	79 32	–11.52
Machilipatna	ಮಚಲಿಪಟ್ಟಣ	16 11	81 07	– 5.32
Ongole	ಒನ್‌ಗೋಲೆ	15 30	80 06	– 9 36
Tenali	ತೆನಾಲಿ	16 14	80 38	– 7.28
Vizianagaram	ವಿಜಯನಗರಂ	18 07	83 26	+ 3.44

Table ಪಟ್ಟಿ—1

BENGAL ಬಂಗಾಳ

Bankura	ಬಂಕುರಾ	23 14	87 07	+18.16
Burdwan	ಬುರ್ದ್ವಾನ್	23 16	87 54	+21 36
Cooch Bihar	ಕೂಚ್‌ಬಿಹಾರ್	26 20	89 29	+17.55
Darjeeling	ಡಾರ್ಜ್‌ಲಿಂಗ್	27 03	88 18	+23.12
Hoogly	ಹೂಗ್ಲಿ	22 55	88 26	+23.44
Calcutta	ಕಲ್ಕತ್ತಾ	22 34	88 24	+23.30
Howrah	ಹೌರಾ	22 40	88 20	+23 20
Jalpaiguri	ಜಲಪೈಗುರಿ	26 32	88 44	+24 56
Malda	ಮಾಲ್ಡಾ	25 03	88 09	+22 35
Midnapore	ಮಿದ್ನಾಪುರ್	22 25	87 21	+12.24
Murshidabad	ಮುರ್ಷಿದಾಬಾದ್	24 11	88 18	+23.12
Nadia	ನಾಡಿಯಾ	23 24	88 56	+25 44
Alipore	ಅಲಿಪೂರ್	22 32	88 24	+23 36
Purulia	ಪುರುಲಿಯಾ	23 20	86 23	+15.32
Naihati	ನೈಹತಿ	22 57	88 .8	+23 52
Durgapur	ದುರ್ಗಾಪುರ್	23 30	87 20	+19 20
Siliguri	ಶಿಲಿಗುರಿ	26 44	88 26	+23.44
Tarakeshwar	ತಾರಕೇಶ್ವರ್	22 54	88 02	+22.08
Shantiniketan	ಶಾಂತಿನಿಕೇತನ್	23 39	87 43	+20.52
Alipurdwar	ಅಲಿಪುರ್‌ದ್ವಾರ್	26 28	89 32	+28.08
Asansol	ಅಸನ್‌ಸಾಲ್	23 42	86 58	+17.52
Balurghat	ಬಾಲೂರ್‌ಘಾಟ್	25 14	88 47	+25.08
Bankura	ಬಂಕೂರ	23 14	87 04	+18 16
Barsat	ಬರ್‌ಸಾತ್	22 43	88 29	+23 55
Barackpur	ಬಾರಕ್‌ಪುರ	22 46	88 24	+23 36
Batanagar	ಬಟನಾಗರ್	22 31	88 15	+23.00
Bhatpara	ಭಾಟ್‌ಪಾರ	22 56	88 26	+23.44
Bishnupur	ಬಿಷ್ಣುಪುರ	23 5	87 18	+19.12
Bholpur	ಭೋಲ್ಪುರ್	23.40	87 42	+2 48
Burnpur	ಬರ್ನ್‌ಪುರ್	23 39	86 56	+17.44
Chittaranjan	ಚಿತ್ತರಂಜನ್	23 50	86 50	+17 20
Farakka	ಫರಕ್ಕಾ	24 48	87 56	+21.44
Khargpur	ಖರಗ್‌ಪುರ್	22 20	87 20	+19.20
Nabadwip	ನಬದ್ವೀಪ್	23 24	88 24	+23 36
Raiganj	ರಾಯ್‌ಗಂಜ್	25 36	88 08	+22.32

BIHAR ಬಿಹಾರ್

Arrah	ಆರಹ್	25 34	84 32	+ 8 08
Bhagalpur	ಭಾಗಲ್‌ಪುರ್	25 15	87 02	+18 08
Chaibasa	ಚೈಬಸಾ	22 33	85 51	+13 24
Chapra	ಚಪ್ರ	25 47	84 43	+ 8 52

Daltonganj	ಡಾಲ್ಟೋನ್‌ಗಂಜ್	24 28	84 04	+ 6.16
Darbhanga	ಧರ್ಭಾಂಗ	26 10	85 54	+13.36
Dhanbad	ಧನ್‌ಬಾದ್	23 48	86 27	+15.48
Dunka	ಡಂಕಾ	24 15	87 20	+19 20
Gaya	ಗಯಾ	24 50	85 00	+10 00
Hazaribagh	ಹಸಾರಿಭಾಗ್	24 00	85 22	+11.28
Monghyr	ಮಾಂಘ್ಯೆರ್	25 23	86 27	+15.48
Motihari	ಮೋತಿಹಾರಿ	26 40	81 54	– 9.36
Muzaffarpar	ಮುಸ್‌ಫರ್‌ಪುರ್	26 07	85 22	+11.28
Ptana	ಪಾಟ್ನ	25 37	85 08	+10.32
Purnea	ಪುರ್ನಿಯಾ	25 49	87 31	+20.04
Ranchi	ರಾಂಚಿ	23 23	85 23	+11.32
Saharsa	ಷಹರ್‌ಸಾ	25 56	86 50	+17.20
Delhi	ದೆಹಲಿ	28 39	77 13	–21.08
Jemshadpur	ಜೆಂಷೆಡ್‌ಪುರ್	22 48	86 11	+14.44
Rajmahal	ರಾಜ್‌ಮಹಲ್	25 03	87 53	+21.32
Deoghar	ದಿಯೋಘರ್	24 29	86 43	+16 52
Buxar	ಭುಕ್ಸರ್	25 34	84 01	+ 6.04
Ghatsila	ಘಾಟ್‌ಶಿಲಾ	22 35	86 28	+15.52
Jamalpur	ಜಮಲ್‌ಪುರ್	25 19	86 32	+16.08
Jharia	ಝರಿಯಾ	23 00	80 33	– 7.48
Kishanganj	ಕಿಷನ್‌ಗಂಜ್	26 10	87 02	+18.08
Samastipur	ಸಮಷ್ಟಿಪುರ್	25 55	85 50	+13.20
Sindri	ಸಿಂದ್ರಿ	23 39	86 31	+16.04
GUJRAT ಗುಜರಾತ್				
Ahmedabad	ಅಹಮದಾಬಾದ್	23 00	72 36	–39.36
Ahwa	ಅಹ್ವಾ	20 45	73 41	–35.16
Amreli	ಅಮ್ರೇಲಿ	21 36	71 15	–45 00
Baroda	ಬರೋಡಾ	22 18	73 13	–37.08
Bhananagar	ಭಾನನಗರ್	21 46	72 09	–41.24
Broach	ಬ್ರೋಚ್	21 42	72 59	–37.56
Bulsar	ಬುಲ್‌ಸಾರ್	20 05	72 55	–38.20
Godhra	ಗೋಧ್ರಾ	22 45	73 35	–35.40
Himatnagr	ಹಿಮತ್‌ನಗರ್	23 36	72 58	–38.08
Jamnagar	ಜಾಮ್‌ನಗರ್	22 26	70 02	–49.52
Dwaraka	ದ್ವಾರಕಾ	22 14	69 00	–54.00
Junagarh	ಜುನಾಗರ್	21 31	70 25	–48.20
Porbandar	ಪೋರ್‌ಬಂದರ್	21 35	69 40	–51.20
Meshana	ಮೇಷಾನ	23 31	72 20	–40.40
Nadiad	ನಡಿಯಾಡ್	22 41	72 48	–38.48
Palanpur	ಪಾಲನ್‌ಪುರ್	24 12	72 24	–40.24
Rajkot	ರಾಜ್‌ಕೋಟ್	22 18	70 48	–46.48

Morvi	ಮೋರ್ವಿ	22 50	70 50	–46.40
Surat	ಸೂರತ್	21 10	72 50	–38.40
Surendranagar	ಸುರೇಂದ್ರನಗರ್	22 46	71 38	–43.28
Bhuj	ಭುಜ್	23 17	69 41	–51.16
HARYANA	**ಹರ್ಯಾಣ**			
Ambala	ಅಂಬಾಲ	30 22	76 50	–22 40
Gurgaon	ಗುರ್‌ಗಾವ್	28 27	77 04	–21.44
Hissar	ಹಿಸ್ಸಾರ್	29 00	75 11	–29.16
Fatehabad	ಫತೇಹಾಬಾದ್	29 31	75 30	–28.00
Jind	ಜಿಂದ್	29 19	76 53	–22.28
Karnal	ಕರ್ನಲ್	29 42	77 02	–21.52
Kurukshetra	ಕುರುಕ್ಷೇತ್ರ	30 00	76 50	–22.40
Panipat	ಪಾಣಿಪಟ್	29 23	77 01	–21.56
Thaneshar	ಥಾಣೇಶ್ವರ್	29 58	76 56	–22.16
Rohtak	ರೋಹ್‌ಟಕ್	29 00	76 08	–25.28
Mahendragarh	ಮಹೇಂದ್ರಘರ್	28 24	76 12	–25.12
HIMANCHAL	**ಹಿಮಾಚಲ**			
Bilaspur	ಬಿಲ್ಸಾಪುರ್	31 19	76 50	–22.40
Chamba	ಚಂಬಾ	32 29	76 10	–25.20
Kailang	ಕೈಲಾಂಗ್	32 30	77 00	–22.00
Kangra	ಕಾಂಗ್ರ	32 05	76 18	–24.48
Kinnaur	ಕಿನ್ನೌರ್	31 30	78 20	–16.40
Kullu	ಕುಲು	31 50	77 00	–22.00
Kasumpatti	ಕಸುಮ್‌ಪಟ್ಟಿ	31 05	77 13	–21.08
Mandi	ಮಂದಿ	31 43	76 58	–22.08
Simla	ಸಿಮ್ಲಾ	31 06	77 13	–21.08
Nahan	ನಹಾನ್	30 23	77 21	–20.36
JAMMU & KASHMIR	**ಜಮ್ಮು-ಕಾಶ್ಮೀರ**			
Anantnag	ಅನಂತನಾಗ್	33 43	75 17	–28.52
Srinagar	ಶ್ರೀನಗರ್	34 06	74 55	–30.20
Baramula	ಬಾರಾಮುಲಾ	34 10	74 30	–32.00
Chilas	ಚಿಲಾಸ್	35 22	74 10	–33.20
Gilghit	ಗಿಲ್‌ಘಿಟ್	35 55	74 22	–32.32
Jammu	ಜಮ್ಮು	32 44	74 54	–30.24
Kathua	ಕಥ್ವಾ	32 17	75 36	–27.36
Leh	ಲೇಹ್	34 10	77 40	–19 20
Ladakh	ಲಢಾಕ್	34 00	77 15	–21.00
Mirpur	ಮಿರ್‌ಪುರ್	33 10	73 45	–35 00
Muzaffarabad	ಮುಸಾಫರ್‌ಬಾದ್	34 24	73 22	–36.32

Punch	ಪೂಂಚ್	33 51	74 08	-33.28
Riasi	ರೈಸಿ	33 05	74 48	-30.48
Vaishnavadevi	ವೈಷ್ಣವದೇವಿ	33 00	74 59	-30.04
Udhampur	ಉಧಾಂಪುರ್	32 56	75 06	-29.36
KERALA ಕೇರಳ				
Alleppy	ಅಲೀಪಿ	9 30	76 23	-24.28
Cannanore	ಕನ್ನನೂರು	11 52	75 25	-28 20
Kasargod	ಕಾಸರಗೋಡು	12 33	75 0	-30 00
Ernakulam	ಎರ್ನಾಕುಲಂ	9 58	76 18	-24.48
Cochin	ಕೊಚೆನ್	9 58	76 17	-24.52
Idikki	ಇಡಿಕ್ಕಿ	9 50	76 52	-22.32
Kottayam	ಕೊಟ್ಟಾಯಂ	9 36	76 34	-23.44
Calicut	ಕ್ಯಾಲಿಕಟ್	11 12	75 50	-26.40
Malapuram	ಮಲಪುರಂ	11 20	76 10	-25.20
Palghat	ಪಾಲ್‌ಘಾಟ್	10 46	76 42	-23:12
Quilon	ಕ್ವಿಲಾನ್	8 54	76 38	-23.28
Travancore	ಟ್ರಾವಂಕೂರ್	9 00	77 00	-22.00
Trivandram	ತ್ರಿವಾಂಡ್ರಂ	8 29	77 00	-22.00
Trichur	ತ್ರಿಚೂರು	10 30	76 15	-25.00
MADHYA PRADESH ಮಧ್ಯಪ್ರದೇಶ				
Abikapur	ಅಬಿಕಾಪುರ್	22 31	83 05	+02.20
Balaghat	ಬಾಲಘಾಟ್	21 55	80 15	-09.00
Bastar	ಬಸ್ತಾರ್	19 05	82 04	-01.44
Betul	ಬಿಟುಲ್	21 55	77 57	-18.12
Bhopal	ಭೋಪಾಲ್	23 16	77 18	-20.48
Bhind	ಭಿಂದ್	26 35	78 48	-14.48
Bilaspur	ಬಿಲ್ಸಾಪುರ್	22 05	82 13	-01.08
Chhatarpur	ಛಟರ್‌ಪುರ್	24 58	79 35	-11.40
Chhindwarr	ಛಿನ್‌ದ್ವಾರಾ	22 03	78 59	-14.04
Damoh	ದಮೋಹ್	23 50	79 29	-12 04
Datia	ದಟಿಯಾ	25 39	78 27	-16.12
Dewas	ದಿವಾಸ್	22 58	76 06	-25.36
Dhar	ಧಾರ್	22 35	75 20	-28.40
Durg	ದುರ್ಗ್	21 11	81 20	-04.40
Guna	ಗುನಾ	24 42	77 16	-20.56
Gwalior	ಗ್ವಾಲಿಯರ್	26 18	78 10	-17.20
Hosangabad	ಹೋಷಂಗಾಬಾದ್	22 46	77 45	-19.00
Indore	ಇಂದೋರ್	22 44	75 54	-26.24
Jabalpur	ಜಬಲ್‌ಪುರ್	23 10	79 59	-10.04
Jhabua	ಝುಬುವಾ	25 45	74 38	-31.28

Khandwa	ಖಾಂಡ್ವಾ	21 50	76 23	-24.28
Khargone	ಖರ್‌ಗೋನ್	21 51	75 38	-27.28
Mandla	ಮಾಂಡ್ಲಾ	22 43	80 35	-07.40
Mandsaur	ಮಂಡ್‌ಸೌರ್	24 03	75 08	-29.28
Morena	ಮೊರೇನಾ	26 32	78 00	-18.00
Baroda	ಬರೋಡಾ	25 32	76 38	-23.28
Narsimhpur	ನರಸಿಂಹಪುರ್	22 57	79 15	-13 00
Panna	ಪನ್ನಾ	24 48	80 14	-09.04
Raigarh	ರಾಯ್‌ಘರ್	21 54	83 26	+03.44
Raipur	ರಾಯ್‌ಪುರ್	21 15	81 41	-03.16
Raisen	ರೈಸಿನ್	23 25	77 47	-18.52
Rajgarh	ರಾಜ್‌ಘರ್	24 00	76 47	-22.52
Ratlam	ರಟ್ಲಾಂ	23 31	75 07	-29.32
Rewa	ರೇವಾ	24 31	81 19	-04.44
Sagar	ಸಾಗರ್	23 50	78 50	-14.40
Satna	ಸಟ್ನಾ	24 34	80 55	-06.20
Seoni	ಸಿಯೋನಿ	22 06	79 35	-11.40
Shahdol	ಷಹಡೋಲ್	23 20	81 24	-04 24
Shajapur	ಷಹಜಾಪುರ್	23 26	76 18	-24.48
Shivpuri	ಶಿವಪುರಿ	25 30	77 44	-19.04
Sidhi	ಸಿಧ್ಧಿ	24 24	81 58	-02.08
Tikamgarh	ಟಿಕಾಂಘರ್	24 45	78 53	-14.28
Ujjaini	ಉಜ್ಜಯಿನಿ	23 09	75 05	-29 40
Vidisha	ವಿದಿಷಾ	23 32	77 50	-18.40
MAHARASHTRA	ಮಹಾರಾಷ್ಟ್ರ			
Akola	ಅಕೋಲಾ	20 32	77 02	-21.52
Ahmednagar	ಅಹಮದ್‌ನಗರ್	19 05	74 45	-31.00
Amaravati	ಅಮರಾವತಿ	20 56	77 48	-18 48
Aurangabad	ಔರಂಗಾಬಾದ್	19 48	75 15	-29.00
Ajanta	ಅಜಂತ	20 30	75 50	-26 40
Ellora	ಎಲ್ಲೋರ್	20 03	75 12	-29.12
Jalna	ಜಾಲ್ನಾ	19 48	75 54	-26.24
Bhadnara	ಭದ್ನಾರ್	21 12	79 37	-11 32
Bir	ಭೀರ್	18 56	75 48	-26.48
Bombay	ಬೊಂಬಾಯಿ	18 58	72 50	-38.40
Buldana	ಬುಲ್‌ಡನಾ	20 30	76 12	-25.12
Chandrapur	ಚಂದ್ರಾಪುರ್	19 57	79 28	-12.08
Dhullia	ಧುಲಿಯಾ	20 53	74 50	-30.40
Goa	ಗೋವಾ	15 27	74 02	-33 52
Daman	ದಾಮನ್	20 24	72 45	-39 00
Jalgaon	ಜಲಗಾಂವ್	20 59	75 40	-27 20
Kolhapur	ಕೊಲ್ಲಾಪುರ್	16 40	74 18	-32.48
Nagpur	ನಾಗ್‌ಪುರ್	21 08	79 13	-13.08

Nanded	ನಂನ್‌ದಿದ್	19 10	77 20	–20.40
Nasik	ನಾಸಿಕ್	19 58	73 50	–34.40
Usmanabad	ಉಸ್ಮಾನಾಬಾದ್	18 04	76 02	–25.52
Tuljapur	ತುಲ್ಜಾಪುರ್	17 58	76 03	–25.48
Parbhani	ಪರ್‌ಭನಿ	19 13	76 43	–23.08
Poona	ಪೂನಾ	18 30	73 53	–34.28
Rajura	ರಜುರಾ	19 46	79 16	–12.56
Ratnagiri	ರತ್ನಗಿರಿ	16 58	73 22	–36 32
Sangli	ಸಾಂಗ್ಲಿ	16 56	74 36	–31.36
Satara	ಸತಾರಾ	17 40	74 03	–33.48
Sholapur	ಶೋಲಾಪುರ್	17 39	75 55	–26.20
Thana	ಥಾಣಾ	19 15	72 55	–38.20
Wardha	ವಾರ್ಧಾ	20 44	78 32	–15.52
Yeotmal	ಯೋಟ್‌ಮಾಲ್	20 20	78 03	–17.48
Kalyan	ಕಲ್ಯಾಣ್	19 14	73 10	–37.20
Kirkee	ಕಿರ್ಕೀ	18 33	73 54	–34.24
ORISSA ಒರಿಸ್ಸಾ				
Balsore	ಬಲ್‌ಸಾರ್	21 30	86 54	+17.36
Bolangir	ಬೋಲಂಗಿರ್	20 43	83 35	+04.20
Cuttack	ಕಟಕ್	20 28	85 54	+13.36
Dhenkanal	ಧೇನ್‌ಕನಾಲ್	20 40	85 38	+12.32
Ganjam	ಗಂಜಾಂ	19 22	85 06	+10.24
Junagarh	ಜುನಾಘರ್	19 52	83 00	+02.00
Keonjhar	ಕೀಯೋಜರ್	21 30	85 30	+12 00
Koraput	ಕೋರಾಪುಟ್	18 42	82 38	+00.32
puri	ಪುರಿ	19 48	85 52	+13.28
Sambalpur	ಸಂಬಲ್‌ಪುರ್	21 28	84 01	+06.04
Sundargarh	ಸುಂದರ್‌ಘಂ	22 07	84 01	+06.04
PUNJAB ಪಂಜಾಬ್				
Amritsar	ಅಮೃತಸರ	31 37	74 56	–30.16
Bhatinda	ಭಾಟಿಂಡ	30 13	74 58	–30 08
Ferozepur	ಫಿರೋಜ್‌ಪುರ್	30 55	74 40	–31.20
Gurudaspur	ಗುರುದಾಸ್‌ಪುರ್	32 03	75 27	–28.12
Pathankot	ಪಥಾನ್‌ಕೋಟ್	32 25	75 40	–27.20
Hoshiarpur	ಹೋಷಿಯಾರ್‌ಪುರ್	31 37	75 58	–26.08
Jallander	ಜಲಂಧರ್	31 19	75 50	–26.40
Kapurthala	ಕಪೂರ್‌ಥಲ	31 26	75 25	–28.20
Ludhiana	ಲುಧಿಯಾನ	30 55	75 51	–26.36
Patiala	ಪಾಟಿಯಾಲ	30 23	76 25	–24.20
Rupar	ರೂಪಾರ್	30 57	76 32	–23.52
Sangrur	ಸಂಗ್ರೂರ್	30 12	75 53	–26.28
Barnala	ಬರ್ನಾಲ	30 20	75 33	–27.48
Nangal	ನಂಗಾಲ್	31 23	76 23	–24.28

RAJASTHAN ರಾಜಾಸ್ಥಾನ				
Ajmeer	ಅಜ್ಮೀರ್	26 27	74 42	-31.12
Beawar	ಬೇವಾರ್	26 06	74 21	-32.36
Alwar	ಅಲ್ವಾರ್	27 34	76 38	-23.28
Banswar	ಬನ್‌ಸ್ವಾರ್	23 35	74 24	-32.24
Barmer	ಬರ್ಮಾರ್	25 45	71 25	-44.20
Bharatpur	ಭರತ್‌ಪುರ್	27 15	77 30	-20.00
Bhilwara	ಭಿಲ್ವಾರ	25 21	74 40	-31.20
Bikneer	ಬಿಕನೀರ್	27 45	72 10	-41.20
Bundi	ಬುಂಡಿ	25 27	75 41	-27.16
Chitorgarh	ಚಿತೋರ್‌ಘರ್	24 54	74 42	-31.12
Churu	ಚುರು	28 19	75 01	-29.56
Dungarpur	ದುಂಗರ್‌ಪುರ್	23 50	73 50	-34.40
Ganganagar	ಗಂಗಾನಗರ್	29 56	73 50	-34.40
Jaipur	ಜೈಪುರ್	26 54	75 52	-26.32
Jaisalmer	ಜೈಸಲ್‌ಮರ್	26 55	70 57	-46.12
Jalor	ಜಾಲೋರ್	25 22	72 45	-39.00
Jhalawar	ಝಲವಾರ್	24 35	76 09	-25.24
Jhunjhunu	ಝುಂಝುನು	28 06	75 25	-28.20
Jodhpur	ಜೋಧಪುರ್	26 18	73 04	-37.44
Kota	ಕೋಟಾ	25 10	75 52	-26.32
Nagaur	ನಾಗೌರ್	27 11	73 46	-34.56
Pali	ಪಾಲಿ	25 46	73 25	-36.20
Sawaimadhopur	ಸವಾಯ್‌ಮದೋಪುರ್	25 58	76 30	-24.00
Sikar	ಸಿಕಾರ್	27 36	75 15	-29.00
Sirohi	ಸಿರೋಹಿ	24 53	72 54	-38.24
Udaipur	ಉದಯ್‌ಪುರ್	24 30	73 50	-34.40
Tonk	ಟೋಂಕ್	26 11	75 50	-26.40
Aligarh	ಅಲಿಘರ್	25 58	76 07	-25.32
Marwar	ಮರ್‌ವಾರ್	25 43	73 45	-35.00
TAMILNAD ತಮಿಳುನಾಡು				
Chinglepet	ಚಿಂಗಲ್‌ಪೇಟ್	12 42	80 01	-09.56
Kanchipuram	ಕಾಂಚೀಪುರ	12 50	79 42	-11.12
Madras	ಮದ್ರಾಸ್	13 04	80 15	-09.00
Mahabalipuram	ಮಹಾಬಲಿಪುರ	12 37	80 14	-09.04
Tiruvallur	ತಿರುವಳ್ಳೂರ್	13 09	79 48	-10.48
Coimbatore	ಕೊಯಮತ್ತೂರು	11 00	76 56	-22.16
Erode	ಈರೋಡ್	11 20	77 46	-18.56
Mettupalyam	ಮೆಟ್ಟುಪಾಳ್ಯಂ	11 18	76 57	-22.12
Dharmapuri	ಧರ್ಮಪುರಿ	12 08	78 13	-17.08
Hosur	ಹೊಸೂರು	12 45	77 51	-18.36

Krishnagiri	ಕೃಷ್ಣಗಿರಿ	12 33	78 11	–17.16
Kanyakumari	ಕನ್ಯಾಕುಮಾರಿ	8 11	77 29	–20.04
Nagaracoil	ನಾಗರಕೊಯಿಲ್	8 11	77 29	–20 04
Madurai	ಮದುರೈ	9 58	78 10	–17.20
Dindigal	ದಿಂಡಿಗಲ್	10 23	78 00	–18.00
Kodaikanal	ಕೊಡೈಕನಾಲ್	10 14	77 28	–20 08
Palani	ಪಳನಿ	10 27	77 31	–19.56
Thirumangalam	ತಿರುಮಂಗಲಂ	9 50	78 10	–18.20
Niligirihills	ನೀಲಗಿರಿಬೆಟ್ಟಗಳು	11 24	76 47	–22.52
Utakmandal	ಉದಕಮಂಡಲ	11 24	76 44	–23.04
North Arcot	ಉತ್ತರ ಆರ್ಕಾಟ್	12 56	79 24	–12.24
Ambur	ಆಂಬೂರ್	12 48	78 44	–15.04
Arakonam	ಅರಕೋಣಂ	13 05	79 40	–11.20
Arni	ಆರ್ನಿ	12 41	79 17	–12.52
Gudiyattam	ಗುಡಿಯಾತ್ತಂ	13 00	78 57	–14 12
Jolarpet	ಜಾಲಾರ್‌ಪೇಟ್	12 35	78 33	–15.48
Polur	ಪೋಲೂರ್	12 31	79 10	–13.20
Vaniyambadi	ವಾನಿಯಂಬಾಡಿ	12 43	78 37	–15.32
Velloore	ವೆಲ್ಲೂರ್	12 55	79 11	–13.16
Ramanatha-puram	ರಾಮನಾಥಪುರಂ	9 22	78 51	–14.36
Dhanushkodi	ಧನುಷ್ಕೋಡಿ	9 12	79 23	–12 28
Salem	ಸೇಲಂ	11 40	78 10	–17 20
Metturdam	ಮೆಟ್ಟೂರು ಡ್ಯಾಂ	11 47	77 48	–18.48
Nammakkal	ನಮ್ಮಕ್ಕಲ್	11 12	78 10	–17 20
Chidambaram	ಚಿದಂಬರಂ	11 24	79 44	–11.04
Cuddalore	ಕಡಲೂರ್	11 43	79 49	–10 44
Pondicherry	ಪಾಂಡಿಚೇರಿ	11 56	79 50	–10 40
Villupuram	ವಿಲ್ಲುಪುರಂ	11 58	79 28	–12.08
Vrudhachalam	ವೃದ್ಧಾಚಲಂ	11 32	79 24	–12 24
Kumbakonam	ಕುಂಭಕೋಣಂ	10 58	79 25	–12.20
Mayavaram	ಮಾಯಾವರಂ	11 08	79 14	–13 04
Nagapattinam	ನಾಗಪಟ್ಟಿನಂ	10 45	79 50	–10.40
Thiruchirapally	ತಿರುಚಿರಪಲ್ಲಿ	10 50	78 42	–15 12
Karur	ಕರೂರ್	10 58	78 03	–17.48
Perambur	ಪೆರಂಬೂರ್	11 14	78 56	–14.16
Pudukottai	ಪುದುಕೋಟ್ಟೈ	10 23	78 52	–14 32
Srirangam	ಶ್ರೀರಂಗಂ	10 52	78 44	–15.04
Thirunelveli	ತಿರುನೆಲ್‌ವೇಲಿ	8 44	77 41	–19 16
Tenkasi	ತೆನ್‌ಕಾಸಿ	8 58	77 22	–20 32
Trichendur	ತಿರುಚೆಂದೂರು	8 29	78 07	–17.32
Tuticorn	ಟ್ಯುಟಿಕುರಾನ್	8 49	78 09	–17.24
Annamalai	ಅಣ್ಣಾಮಲೈ	10 38	76 50	–22.40

Cape Camorin	ಕೇಪ್ ಕಾಮೋರಿನ್	8 04	77 34	-19.44
Pollachi	ಪೊಲ್ಲಾಚಿ	10 39	77 03	-21.48
Thanjavur	ತಂಜಾವೂರ್	10 47	79 08	-13.28
Rameshvaram	ರಾಮೇಶ್ವರಂ	9 18	79 18	-12.48
Thiruvannamalai	ತಿರುವಣ್ಣಾಮಲೈ	12 15	79 05	-13.40
UTTAR PRADESH	**ಉತ್ತರಪ್ರದೇಶ**			
Agra	ಆಗ್ರ	27 10	78 05	-17.40
Aligarh	ಅಲಿಘರ್	27 54	78 06	-17.36
Allahabad	ಅಲಹಾಬಾದ್	25 28	81 54	-02.24
Almora	ಆಲ್ಮೋರ	29 37	79 40	-11.20
Azamgarh	ಅಜಮ್‌ಘರ್	26 03	83 13	+02.52
Bahraich	ಬಹ್ರಾಯ್ಚ್	27 34	81 38	-03.28
Ballia	ಬಲ್ಲಿಯಾ	25 44	84 11	+06.44
Banda	ಬಾಂಡಾ	25 28	80 22	-08.32
Barabanki	ಬಾರಾಬಂಕಿ	26 56	81 13	-05.08
Bareilly	ಬರೈಲಿ	28 22	79 27	-12.12
Basti	ಬಸ್ತಿ	26 48	82 46	+01.04
Bijnor	ಬಿಜನೂರು	26 27	78 11	-17.16
Budaun	ಬುಡಾನ್	28 02	79 10	-13.20
Bulandshar	ಬುಲಂದ್‌ಶಹರ್	28 24	77 54	-18.24
Chamoli	ಚಮೋಲಿ	30 24	79 19	-12.44
Deharadun	ಡೆಹ್ರಡೋನ್	30 19	78 04	-17.44
Deoria	ಡಿಯೋರಿಯಾ	26 27	83 50	+05.20
Etah	ಏಟಾಹ್	27 35	78 40	-15.20
Elawah	ಎಲ್ವೆಹ್	26 47	79 02	-13.52
Faizabad	ಫೇಜಾಬಾದ್	26 47	82 12	-01.12
Farrukhabad	ಫರೂಕಾಬಾದ್	27 24	79 37	-11.32
Fatehpur	ಫತೇಪುರ್	25 55	80 52	-06.32
Garhwal	ಘರ್‌ವಾಲ್	30 18	78 30	-16.00
Ghazipur	ಘಾಝಿಪುರ್	25 34	83 35	+04.20
Gonda	ಗೊಂಡಾ	27 28	82 01	-01.56
Gorakhpur	ಗೋರಖ್‌ಪುರ್	26 45	83 24	+03.36
Hamirpur	ಹಮೀರ್‌ಪುರ್	25 58	80 12	-09.12
Hardoi	ಹರದಾಯ್	27 23	80 10	-09.20
Jalaun	ಜಲಾನ್	26 08	79 23	-12.28
Jaunpur	ಜಪಾನ್‌ಪುರ್	25 46	82 44	+00.56
Jhansi	ಝಾನ್ಸಿ	25 25	78 36	-15.36
Kanpur	ಕಾನ್ಪುರ್	26 28	80 19	-08.44
Kheri Laxmipur	ಖೇರಿಲಕ್ಷ್ಮೀಪುರ	27 54	80 48	-06.48
Lucknow	ಲಖನೋ	26 55	81 00	-06.00
Mainpuri	ಮಯಿನ್‌ಪುರ್	27 14	79 03	-13.48
Mathura	ಮಥುರಾ	27 28	77 41	-19.16

Meerut	ಮೀರತ್	29 01	77 45	-15 00
Mirzapur	ಮಿರ್ಜಾಪುರ್	25 10	82 37	+00.28
Moradabad	ಮೊರದಾಬಾದ್	28 51	78 49	-14.44
Muzaffarnagar	ಮುಜ್‌ಫರ್‌ನಗರ್	29 28	77 44	-19.04
Nainital	ನೈನಿತಾಲ್	29 53	79 30	-12.00
Pilibhit	ಪಿಲಿಭಿಟ್	28 38	79 51	-10 36
Pithoragarh	ಪಿತೋರ್‌ಘರ್	29 32	80 15	-09.00
Pratapgarh	ಪ್ರತಾಪ್‌ಘರ್	25 52	82 02	-01.52
Rai Bareilly	ರಾಯ್‌ಬರೇಲಿ	26 14	81 15	-05.00
Rampur	ರಾಂಪುರ್	28 54	79 26	-12.16
Saharanpur	ಸಹರಾನ್‌ಪುರ್	29 58	77 23	-20.28
Shahjahanpur	ಷಹಜಾನ್‌ಪುರ್	27 54	79 57	-10.12
Sitapur	ಸಿತಾಪುರ್	27 32	80 43	-07.08
Sultanpur	ಸುಲ್ತಾನ್‌ಪುರ್	26 16	82 07	-01.32
Tehri(garhwal)	ತೇಹ್ರಿ(ಘರ್‌ವಾಲ್)	30 30	78 30	-16.00
Unnao	ಯುನ್ನಾವ್	26 35	80 35	-07.40
Uttarkashi	ಉತ್ತರಕಾಶಿ	30 52	78 25	-16.20
Varanasi	ವಾರಣಾಸಿ	25 18	83 00	+02.00
Other Important Places	**ಇತರ ಪ್ರಮುಖ ಸ್ಥಳಗಳು**			
Barepeta	ಬಾರಾಪೇಟಾ	26 20	91 02	+34.08
Dibrugarh	ದಿಬ್ರುಘರ್	27 30	95 00	+50.00
Gouhathi	ಗೌಹತಿ	26 11	91 45	+37.00
Goalpara	ಗೋಲ್‌ಪಾರಾ	26 11	90 36	+32.24
Karimganj	ಕರೀಂಗಂಜ್	24 50	92 20	+39.20
Lakhimpur	ಲಖಿಂಪುರ್	27 14	94 15	+47.00
Thejpur	ತೇಜ್‌ಪುರ್	26 37	92 47	+41.08
Dimapur	ದಿಮಾಪುರ್	25 51	93 48	+45.12
Imphal	ಇಂಫಾಲ್	24 44	93 58	+45.52
Chirapunji	ಚಿರಾವುಂಜಿ	25 17	91 47	+37.08
Shillong	ಷಿಲ್ಲಾಂಗ್	25 34	91 53	+37.32
Kohima	ಕೋಹಿಮಾ	25 41	94 07	+46.28
Agarthala	ಅಗರ್ತಲ	23 50	91 23	+35.32
Khatmandu	ಖಟ್ಮಂಡು	27 42	85 12	+10.48
Bhiratnagar	ಭಿರಾಟ್‌ನಗರ್	26 35	87 20	+19.20
Gangtok	ಗಂಗ್ಟೋಕ್	27 10	88 30	+24.00
Lhasa	ಲಾಸಾ	29 40	91 05	+34.20
Colombo	ಕೊಲಂಬೊ	6 56	79 52	-10.32
Jaffna	ಜಫನಾ	9 17	80 00	-10.00
Anuradhpur	ಅನೂರಾಧ್‌ಪುರ್	8 21	80 23	-08.28
Nowgang	ನೌಗಾಂಗ್	26 21	92 42	+40.48
Punakha	ಪುನಖ	23 36	89 50	+29.20
Sadiya	ಸದಿಯಾ	27 48	94 38	+48.32

BANGLADESH (Time Zone : +6h)	ಬಂಗ್ಲಾದೇಶ	ಅಕ್ಷಾಂಶ	ರೇಖಾಂಶ	ನಿ. ಸೆ.
		° ′	° ′	m s
Barisal	ಬಾರಿಸಾಲ್	22 42	90 22	+ 1 28
Bogra	ಬೋಗ್ರ	24 51	89 23	– 2 28
Chandpur	ಚಾಂದಪುರ್	23 14	90 38	+ 2 32
Chittagong	ಚಿತ್ತಗಾಂಗ್	22 21	91 50	+ 7 20
Comilla	ಕೊಮಿಲ್ಲ	23 28	91 12	+ 4 48
Cox Bazar	ಕಾಕ್ಸ್ ಬಜಾರ್	21 27	92 06	+ 8 00
Dacca	ಢಾಖಾ	23 42	90 25	+ 1 40
Dinajpur	ದಿನಾಜ್‌ಪುರ್	25 40	89 38	– 5 28
Faridpur	ಫರಿದ್‌ಪುರ್	23 36	89 51	– 0 36
Gaibanda	ಗೈಬಾಂದ	25 22	89 33	– 1 48
Goalundo	ಗೋಲುಂಡು	23 49	89 45	– 1 00
Ishurdi	ಇಶ್ರುದಿ	24 08	89 05	– 3 40
Jessore	ಜೆಸ್ಸೂರ್	23 08	89 12	– 3 12
Khulna	ಖುಲ್‌ನಾ	22 48	89 35	– 1 40
Kushtia	ಕುಷ್ಟಿಯಾ	23 55	89 07	– 3 32
Mymensing	ಮೈಮೆನ್ ಸಿಂಗ್	24 45	90 24	+ 1 36
Narayanganj	ನಾರಾಯಣ್‌ಗಂಜ್	23 38	90 30	+ 2 00
Nator	ನಾಥೂರ್	24 25	89 02	– 3 52
Netrakona	ನೆಟ್ರಾಕೊನಾ	24 53	90 45	+ 3 00
Noakhali	ನೋಖಾಲಿ	22 48	91 06	+ 4 24
Pabna	ಪಾಬ್ನಾ	24 01	89 16	– 2 56
Parbatipur	ಪಾರ್‌ಬತಿಪುರ್	25 40	88 53	– 4 28
Rajshahi	ರಾಜ್‌ಶಾಹಿ	24 23	88 35	– 5 40
Rangpur	ರಂಗಪುರ್	25 45	89 18	– 2 48
Santahar	ಸಂತಹಾರ್	24 48	89 00	– 4 00
Sirajganj	ಸಿರಾಜ್‌ಗಂಜ್	24 27	89 44	– 1 04
Sylhet	ಸ್ಯೆಲೆಟ್	24 55	91 52	+ 7 28
Tangail	ತಂಗ್ಯೆಲ್	24 13	89 55	– 0 26
PAKISTAN (Time Zone : +6h)	ಪಾಕೀಸ್ತಾನ			
		° ′	° ′	m s
Bahawalpur	ಬಹವಾಲ್‌ಪುರ್	29 24	71 40	–13 20
Bannu	ಬಾನ್ನು	33 00	70 36	–17 36
Hyderabad	ಹೈದರಾಬಾದ್	25 23	68 21	–26 36
Islamabad	ಇಸ್ಲಾಮಾಬಾದ್	33 42	73 10	– 7 20
Karachi	ಕರಾಚಿ	24 51	67 01	–31 56
Lahore	ಲಾಹೋರ್	31 35	74 18	– 2 48
Multan	ಮುಲ್ತಾನ್	30 12	71 28	–14 08
Peshawar	ಪೆಷಾವರ್	34 01	71 34	–13 44
Quetta	ಕ್ವೆಟ್ಟಾ	30 12	67 02	–31 56
Rawalpindi	ರಾವಲ್‌ಪಿಂಡಿ	33 35	73 03	– 7 48
Sukkur	ಸುಕ್ಕೂರ್	27 43	68 53	–24 28

Table - 2

Sidereal Time of Leap Years (Longitude 82.30 East)

1900	1916	1932	1948	1964	1980	1996	2012
1904	1920	1936	1952	1968	1984	2000	2016
1908	1924	1940	1956	1972	1988	2004	2020
1912	1928	1944	1960	1976	1992	2008	2024

Date	1 Jan. H.M.S.	2 Feb. H.M.S.	3 Mar. H.M.S.	4 Apr. H.M.S.	5 May. H.M.S.	6 June H.M.S.	7 July H M.S.	8 Aug. H.M.S.	9 Sep. H.M.S.	10 Oct. H.M.S.	11 Nov. H.M.S.	12 Dec. H.M.S.
1	6 37 43	8 39 57	10 34 17	12 36.30	14 34 46	16 36 59	18 35 16	20 37 29	22 39 43	0 37 59	2 40 12	4 38 29
2	6 41 40	8 43 53	10 38 13	12 40 26	14 38 43	16 40 56	18 39 13	20 41 26	22 43 39	0 41 56	2 44 9	4 42 36
3	6 45 36	8 47 50	10 42 10	12 44 23	14 42 39	16 44 53	18 43 9	20 45 23	22 47 36	0 45 52	2 48 5	4 46 22
4	6 49 33	8 51 46	10 46 6	12 48 19	14 46 36	16 48 49	18 47 6	20 49 19	22 51 32	0 49 49	2 52 2	4 50 19
5	6 53 30	8 55 43	10 50 3	12 52 16	14 50 32	16 52 46	18 51 2	20 53 16	22 55 29	0 53 45	2 55 59	4 54 15
6	6 57 26	8 59 39	10 53 59	12 56 12	14 54 29	16 56 42	18 54 59	20 57 12	22 59 25	0 57 42	2 59 55	4 58 12
7	7 1 23	9 3 36	10 57 56	13 0 9	14 58 26	17 00 39	18 58 56	21 1 9	23 3 22	1 1 38	3 3 52	5 2 8
8	7 5 19	9 7 32	11 1 52	13 4 6	15 2 22	17 4 35	19 2 52	21 5 5	23 7 18	1 5 35	3 7 48	5 6 5
9	7 9 16	9 11 29	11 5 59	13 8 2	15 6 19	17 8 32	19 6 49	21 9 2	23 11 15	1 9 32	3 11 45	5 10 1
10	7 13 12	9 15 26	11 9 46	13 11 59	15 10 15	17 12 28	19 10 45	21 12 58	23 15 12	1 13 28	3 15 41	5 13 58
11	7 17 9	9 19 22	11 13 42	13 15 55	15 14 12	17 16 25	19 14 42	21 16 55	23 19 8	1 17 25	3 19 38	5 17 55
12	7 21 5	9 23 19	11 17 39	13 19 52	15 18 8	17 20 22	19 18 38	21 20 52	23 23 5	1 21 21	3 23 34	5 21 51
13	7 25 2	9 27 15	11 21 35	13 23 48	15 22 5	17 24 18	19 22 35	21 24 48	23 27 1	1 25 18	3 27 31	5 25 48
14	7 28 59	9 31 12	11 25 32	13 27 45	15 26 1	17 28 15	19 26 31	21 28 45	23 30 58	1 29 14	3 31 27	5 29 44
15	7 32 55	9 35 8	11 29 28	13 31 41	15 29 58	17 32 11	19 30 28	21 32 41	23 34 55	1 33 11	3 35 24	5 33 41

16	7 36 52	9 39 5	11 33 25	13 35 38	15 33 55	17 36 8	19 34 25	21 36 38	23 38 51	1 37 7	3 39 21	5 37 37
17	7 40 48	9 43 1	11 37 21	13 39 35	15 37 51	17 40 4	19 38 21	21 40 34	23 42 47	1 41 4	3 43 17	5 41 34
18	7 44 45	9 46 58	11 41 18	13 43 31	15 41 48	17 44 01	19 42 18	21 44 31	23 46 44	1 45 01	3 47 14	5 45 30
19	7 48 41	9 50 54	11 45 15	13 47 28	15 45 44	17 47 57	19 46 14	21 48 27	23 50 41	1 48 57	3 51 10	5 49 20
20	7 52 38	9 54 51	11 49 11	13 51 24	15 49 41	17 51 54	19 50 11	21 52 24	23 54 37	1 52 54	3 55 7	5 53 24
21	7 56 34	9 58 48	11 53 8	13 55 21	15 53 37	17 55 51	19 54 7	21 56 21	23 58 34	1 56 51	3 59 3	5 57 20
22	8 0 31	10 2 44	11 57 4	13 59 18	15 57 34	17 59 47	19 58 4	22 0 17	0 2 30	2 0 47	4 03 0	6 1 17
23	8 04 28	10 6 41	12 01 1	14 3 14	16 1 30	18 3 44	20 02 0	22 4 14	0 6 27	2 4 43	4 06 56	6 5 13
24	8 08 24	10 10 37	12 4 57	14 7 10	16 5 27	18 7 40	20 5 57	22 8 10	0 10 23	2 8 40	4 10 53	6 9 10
25	8 12 21	10 14 34	12 8 54	14 11 7	16 9 24	18 11 37	20 9 54	22 12 7	0 14 20	2 12 36	4 14 50	6 13 6
26	8 16 17	10 18 30	12 12 50	14 15 4	16 13 20	18 15 33	20 13 50	22 16 3	0 18 16	2 16 33	4 18 46	6 17 10
27	8 20 14	10 22 27	12 16 47	14 19 0	16 17 17	18 19 30	20 17 47	22 20 0	0 22 13	2 20 30	4 22 43	6 20 59
28	8 24 10	10 26 23	12 20 43	14 22 57	16 21 13	18 23 27	20 21 43	22 23 56	0 26 9	2 24 26	4 26 39	6 24 56
29	8 28 7	10 30 20	12 24 40	14 26 53	16 25 10	18 27 23	20 25 40	22 27 53	0 30 6	2 28 23	4 30 36	6 28 53
30	8 32 3		12 28 37	14 30 50	16 29 6	18 31 20	20 29 36	22 31 49	0 34 3	2 32 19	4 34 32	6 32 49
31	8 36 0		12 32 33		16 33 3		20 33 33	22 35 46		2 35 16		6 36 46

N. B :— H-indicates hours, M-indicates minutes, S-indicates seconds given throughtout these Tables.

ವಿ. ಸೂ :— ಎಲ್ಲಾ ಪಟ್ಟಿಗಳ ಮೇಲ್ಭಾಗದ ಕಾಲಂಗಳಲ್ಲಿ 'ಘ' ಎಂದರೆ ಘಂಟೆಗಳು, 'ನಿ' ಎಂದರೆ ನಿಮಿಷಗಳು, 'ಸೆ' ಎಂದರೆ ಸೆಕೆಂಡ್‌ಗಳೆಂದು ಪರಿಗಣಿಸಿರಿ.

Table – 2

Sidereal Time of First years after every Leap Year (Longitute 82.30 East)

1901	1917	1933	1949	1965	1981	1997 2017
1905	1921	1937	1953	1969	1985	2001 etc. 2021
1909	1925	1941	1957	1973	1989	2005 2025
1913	1929	1945	1961	1977	1993	2009

Date	1 Jan. H.M.S.	2 Feb. H M.S.	3 Mar. H.M.S.	4 Apr. H.M.S.	5 May H.M.S.	6 June H.M.S.	7 July H.M.S.	8 Aug. H.M.S.	9 Sep. H.M.S.	10 Oct. H.M.S.	11 Nov. H.M.S	12 Dec. H.M.S.
1	6 40 43	8 42 56	10 33 19	12 35 33	14 33 49	16 36 02	18 34 19	20 36 32	22 38 46	0 37 02	2 39 15	4 37 12
2	7 44 39	8 46 52	10 37 16	12 39 29	14 37 46	16 39 59	18 38 16	20 40 29	22 42 42	0 40 59	2 43 12	4 41 09
3	6 48 36	8 50 46	10 41 12	12 43 26	14 41 42	16 43 56	18 42 12	20 44 25	22 46 39	0 44 55	2 47 09	4 45 06
4	6 52 32	8 54 45	10 41 9	12 47 22	14 45 39	16 47 52	18 46 09	20 48 22	22 50 35	0 48 52	2 51 05	4 49 03
5	6 56 29	8 58 42	10 49 6	12 51 19	14 49 35	16 51 49	18 50 05	20 52 19	22 54 32	0 52 48	2 55 02	4 53 00
6	7 00 25	9 02 39	10 53 02	12 55 15	14 53 32	16 55 45	18 54 02	20 56 15	22 58 28	0 56 45	2 58 58	4 56 57
7	7 04 22	9 06 35	10 56 59	12 59 12	14 57 29	16 59 42	18 57 58	21 00 12	23 02 25	1 00 40	3 02 55	5 00 54
8	7 08 18	9 10 32	11 00 55	13 03 08	15 01 25	17 03 38	19 01 55	21 04 08	23 06 21	1 04 38	3 06 51	5 4 51
9	7 12 15	9 14 28	11 04 52	13 07 05	15 05 22	17 07 35	19 05 52	21 08 05	23 10 18	1 08 35	3 10 48	5 8 48
10	7 16 12	9 18 25	11 08 48	13 11 02	15 09 18	17 11 31	19 09 48	21 12 01	23 14 15	1 12 32	3 14 45	5 12 45
11	7 20 08	9 22 21	11 12 45	13 14 58	15 13 15	17 15 28	19 13 45	21 16 58	23 18 11	1 16 28	3 18 42	5 16 42
12	7 24 05	9 26 18	11 16 41	13 18 55	15 17 11	17 19 25	19 17 41	21 19 54	23 22 08	1 20 24	3 22 39	5 20 39
13	7 28 01	9 30 14	11 20 38	13 22 51	15 21 08	17 23 21	19 21 38	21 23 51	23 26 04	1 24 21	3 26 36	5 24 36
14	7 31 58	9 34 11	11 24 35	13 26 48	15 25 04	17 27 18	19 25 34	21 27 48	23 30 01	1 28 17	3 30 33	5 28 33
15	7 35 54	9 38 08	11 28 31	13 30 44	15 29 01	17 31 14	19 29 30	21 31 44	23 33 57	1 32 14	3 34 30	5 32 30

16	7 39 51	9 42 04	11 32 28	13 34 41	15 32 58	17 35 11	19 33 27	21 35 41	23 37 54	1 36 11	3 38 27	5 36 27
17	7 43 47	9 46 01	11 36 24	13 38 37	15 36 54	17 39 07	19 37 25	21 39 37	23 41 50	1 40 07	3 42 24	5 40 24
18	7 47 44	9 49 57	11 40 21	13 42 34	15 40 51	17 43 04	19 41 21	21 43 34	23 45 47	1 44 04	3 46 21	5 44 21
19	7 51 41	9 53 54	11 44 17	13 46 31	15 44 47	17 47 00	19 45 17	21 48 30	23 49 44	1 48 00	3 50 18	5 48 18
20	7 55 37	9 57 50	11 48 14	13 50 27	15 48 44	17 51 57	19 49 14	21 51 27	23 53 40	1 51 57	3 54 15	5 52 15
21	7 59 34	10 01 47	11 52 10	13 53 24	15 52 40	17 54 54	19 53 10	21 55 23	23 57 37	1 55 53	3 58 12	5 56 12
22	8 03 30	10 05 43	11 56 7	13 58 20	15 56 37	17 58 50	19 57 7	21 59 20	0 01 33	1 59 50	4 2 09	6 00 09
23	8 07 27	10 09 40	12 00 4	14 02 17	16 00 33	18 02 47	20 01 03	22 03 17	0 05 30	2 03 46	4 6 06	6 04 06
24	8 11 23	10 13 37	12 04 00	14 06 13	16 04 30	18 06 43	20 05 00	22 07 13	0 09 26	2 07 43	4 10 03	6 08 03
25	8 15 20	10 17 33	12 07 57	14 10 10	16 08 27	18 10 40	20 08 56	22 11 10	0 13 23	2 11 40	4 14 00	6 12 00
26	8 19 16	10 21 30	12 11 53	14 14 6	16 12 23	18 14 36	20 12 53	22 15 06	0 17 19	2 15 36	4 17 57	6 15 57
27	8 23 13	10 25 26	12 15 50	14 18 3	16 16 20	18 18 33	20 16 50	22 19 03	0 21 16	2 19 33	4 21 54	6 19 54
28	8 27 10	10 29 23	12 19 46	14 22 00	16 20 16	18 22 29	20 20 46	22 22 59	0 25 13	2 23 29	4 25 51	6 23 51
29	8 31 06		12 23 43	14 25 26	16 24 13	18 26 26	20 24 43	22 26 56	0 29 09	2 27 25	4 29 48	6 27 48
30	8 35 03		12 27 39	14 29 53	16 28 09	18 30 23	20 28 39	22 30 52	0 33 06	2 31 22	4 33 45	6 31 45
31	8 38 59		12 31 36		16 32 06		20 32 36	22 34 49		2 35 19		6 35 42

N. B :— H-indicates hours, M-indicates minutes, S-indicates seconds given throughout these Tables.

ವಿ. ಸೂ :— ಎಲ್ಲಾ ಪಟ್ಟಿಗಳ ಮೇಲ್ಭಾಗದ ಕಾಲಂಗಳಲ್ಲಿ 'ಘ' ಎಂದರೆ ಘಂಟೆಗಳು, 'ನಿ' ಎಂದರೆ ನಿಮಿಷಗಳು, 'ಸೆ' ಎಂದರೆ ಸೆಕೆಂಡ್‌ಗಳೆಂದು ಪರಿಗಣಿಸಿ.

Table - 2

Sidereal Time of Second Years after every Leap Year (Longitude 82.30 East)

1902	1918	1934	1950	1966	1982	1998 2018
1906	1922	1938	1954	1970	1986	2002 etc. 2022
1910	1926	1942	1958	1974	1990	2006
1914	1930	1946	1962	1978	1994	2010

Date	1 Jan. H.M.S.	2 Feb. H.M.S.	3 Mar. H.M.S.	4 Apr. H.M.S.	5 May H.M.S.	6 June H.M.S.	7 July H.M.S.	8 Aug. H.M.S.	9 Sep. H.M.S.	10 Oct. H.M.S.	11 Nov. H.M.S.	12 Dec. H.M.S.
1	6 39 39	8 41 52	10 32 15	12 34 28	14 32 45	16 34 58	18 33 15	20 35 28	22 37 41	0 37 00	2 38 11	4 37 25
2	6 43 35	8 45 48	10 36 12	12 38 25	14 36 22	16 38 55	18 37 11	20 39 25	22 41 38	0 40 57	2 42 08	4 41 22
3	6 47 32	8 49 45	10 40 08	12 42 22	14 40 38	16 42 51	18 41 08	20 43 21	22 45 34	0 44 54	2 46 04	4 45 18
4	6 51 28	8 53 41	10 44 05	12 46 18	14 44 35	16 46 48	18 45 05	20 47 18	22 49 31	0 48 51	2 50 01	4 49 15
5	6 55 25	8 57 38	10 48 02	12 50 15	14 48 31	16 50 44	18 49 01	20 51 14	22 53 28	0 52 48	2 53 57	4 53 12
6	6 59 21	9 01 35	10 51 58	12 54 11	14 52 28	16 54 41	18 52 58	20 55 11	22 57 24	0 56 45	2 57 54	4 57 08
7	7 03 18	9 05 31	10 55 55	12 58 08	14 56 24	16 58 38	18 56 54	20 59 07	23 01 21	1 00 42	3 01 50	5 01 05
8	7 07 14	9 09 28	10 59 51	13 02 04	15 00 21	17 02 34	19 00 51	21 03 04	23 05 17	1 04 38	3 05 47	5 05 01
9	7 11 11	9 13 24	11 03 48	13 06 01	15 04 17	17 06 31	19 04 47	21 07 01	23 09 14	1 08 35	3 09 43	5 08 58
10	7 15 08	9 17 21	11 07 44	13 09 57	15 08 14	17 10 27	19 08 44	21 10 57	23 13 10	1 12 32	3 13 40	5 12 54
11	7 19 04	9 21 17	11 11 41	13 13 54	15 12 11	17 14 24	19 12 40	21 14 54	23 17 07	1 16 28	3 17 37	5 16 51
12	7 23 01	9 25 14	11 15 37	13 17 50	15 16 07	17 18 20	19 16 37	21 18 50	23 21 03	1 20 24	3 21 33	5 20 47
13	7 26 57	9 29 10	11 19 34	13 21 47	15 20 04	17 22 17	19 20 34	21 22 47	23 25 00	1 24 21	3 25 30	5 24 44
14	7 30 54	9 33 07	11 23 30	13 25 44	15 24 00	17 26 13	19 24 30	21 26 43	23 28 57	1 28 17	3 29 26	5 28 41
15	7 34 50	9 37 04	11 27 27	13 29 40	15 27 57	17 30 10	19 28 27	21 30 40	23 32 53	1 32 14	3 33 23	5 32 37

16	7 38 47	9 41 00	11 31 24	13 33 37	15 31 53	17 34 07	19 32 23	21 34 36	23 36 50	1 36 11	3 37 19	5 35 36
17	7 42 43	9 44 57	11 35 20	13 37 33	15 35 50	17 38 03	19 36 20	21 38 33	23 40 46	1 40 07	3 41 16	5 39 33
18	7 46 40	9 48 53	11 39 17	13 41 30	15 39 46	17 42 00	19 40 16	21 42 30	23 44 43	1 44 04	3 45 12	5 43 29
19	7 50 37	9 52 50	11 43 13	13 45 26	15 43 43	17 45 56	19 44 13	21 46 26	23 48 39	1 48 00	3 49 09	5 47 26
20	7 54 33	9 56 46	11 47 10	13 49 23	15 47 40	17 49 53	19 48 10	21 50 23	23 52 36	1 51 57	3 53 06	5 51 22
21	7 58 30	10 00 43	11 51 06	13 53 19	15 51 36	17 53 49	19 52 06	21 54 19	23 56 32	1 55 53	3 57 02	5 55 19
22	8 02 26	10 04 39	11 55 03	13 57 16	15 55 33	17 57 46	19 56 08	21 58 16	00 00 29	1 59 50	4 00 59	5 59 15
23	8 06 23	10 08 36	11 58 59	14 01 13	15 59 29	18 01 42	19 59 59	22 02 12	00 04 25	2 03 46	4 04 55	6 3 12
24	8 10 19	10 12 33	12 02 56	14 05 09	16 03 26	18 05 39	20 03 56	22 06 09	00 08 22	2 07 39	4 08 52	6 07 08
25	8 14 16	10 16 29	12 06 53	14 09 06	16 07 22	18 09 36	20 07 52	22 10 05	00 12 19	2 11 35	4 12 48	6 11 05
26	8 18 12	10 20 26	12 10 49	14 13 02	16 11 19	18 13 32	20 11 49	22 14 02	00 16 15	2 15 32	4 16 45	6 15 02
27	8 22 09	10 24 22	12 14 46	14 16 59	16 15 15	18 17 29	20 15 45	22 17 59	00 20 12	2 19 28	4 20 41	6 18 58
28	8 26 06	10 28 19	12 18 42	14 20 55	16 19 12	18 21 25	20 19 42	22 21 55	00 24 08	2 23 25	4 24 38	6 22 55
29	8 30 02		12 22 39	14 24 52	16 23 09	18 25 22	20 23 38	22 25 51	00 28 05	2 27 21	4 28 35	6 26 51
30	8 33 59		12 26 35	14 28 48	16 27 05	18 29 18	20 27 35	22 29 48	00 32 01	2 31 18	4 32 31	6 30 48
31	8 37 55		12 30 32		16 31 02		20 31 32	22 33 45		2 35 14		6 34 44

N. B :— H-indicates hours, M-indicates minutes, S-indicates seconds given throughout these Tables.

ವಿ. ಸೂ :— ಎಲ್ಲಾ ಪಟ್ಟಿಗಳ ಮೇಲ್ಭಾಗದ ಕಾಲಂಗಳಲ್ಲಿ 'ಘ' ಎಂದರೆ ಘಂಟೆಗಳು, 'ನಿ' ಎಂದರೆ ನಿಮಿಷಗಳು, 'ಸೆ' ಎಂದರೆ ಸೆಕೆಂಡ್‌ಗಳೆಂದು ಪರಿಗಣಿಸಿರಿ.

ಕೆಳಗೆ ಕಂಡ ಆಂಗ್ಲ ಇಸವಿಯ ಪ್ರತಿ ದಿನಕ್ಕೆ ನಾಕ್ಷತ್ರಿಕ ಕಾಲ (ಪೂರ್ವ ರೇಖಾಂಶ 82°–30′ ಡಿಗ್ರಿಗೆ)

Table - 2

Sidereal Time of Third Years after every Leap Year (Longitude 82.30′ East)

1903	1919	1935	1951	1967	1983	1999
1907	1923	1939	1955	1971	1987	etc.
1911	1927	1943	1959	1975	1991	
1915	1931	1947	1963	1979	1995	

2011
2015
2019
2023
2003
2007

Date	1 Jan. H.M.S.	2 Feb. H.M.S.	3 Mar. H.M.S.	4 Apr. H.M.S.	5 May H.M.S.	6 June H.M.S.	7 July H.M.S.	8 Aug. H.M.S.	9 Sep. H.M.S.	10 Oct. H.M.S.	11 Nov. H.M.S.	12 Dec. H.M.S.
1	6 38 40	8 40 54	10 31 18	12 33 30	14 31 46	16 33 59	18 32 16	20 34 29	22 36 42	0 35 00	2 37 13	4 35 30
2	6 42 37	8 44 50	10 35 15	12 37 26	14 35 42	16 37 56	18 36 13	20 38 26	22 40 39	0 38 56	2 41 10	4 39 27
3	6 46 33	8 48 47	10 39 11	12 41 23	14 39 39	16 41 53	18 40 09	20 42 22	22 44 35	0 42 53	2 45 06	4 43 23
4	6 50 30	8 52 43	10 43 08	12 45 19	14 43 35	16 45 49	18 44 06	20 46 19	22 48 32	0 46 49	2 49 03	4 47 20
5	6 54 26	8 56 40	10 47 04	12 49 16	14 47 32	16 49 46	18 48 02	20 50 15	22 52 28	0 50 46	2 53 00	4 51 16
6	6 58 23	9 00 37	10 51 01	12 53 12	14 51 28	16 53 42	18 51 59	20 54 12	22 56 25	0 54 42	2 56 56	4 55 13
7	7 02 20	9 04 33	10 54 57	12 57 09	14 55 25	16 57 39	18 55 55	20 58 09	23 00 21	0 58 39	3 00 53	4 59 09
8	7 06 16	9 08 30	10 58 54	13 01 05	14 59 21	17 01 35	18 59 52	21 02 05	23 04 18	1 02 36	3 04 49	5 03 06
9	7 10 13	9 12 27	11 02 50	13 05 02	15 03 18	17 05 32	19 03 48	21 06 02	23 08 15	1 06 32	3 08 46	5 07 02
10	7 14 09	9 16 23	11 06 47	13 08 58	15 07 14	17 09 29	19 07 45	21 09 58	23 12 11	1 10 29	3 12 42	5 10 59
11	7 18 06	9 20 20	11 10 43	13 12 55	15 11 11	17 13 25	19 11 41	21 13 55	23 16 08	1 14 25	3 16 39	5 14 56
12	7 22 03	9 24 16	11 14 40	13 16 51	15 15 07	17 17 22	19 15 38	21 17 51	23 20 04	1 18 22	3 20 35	5 18 52
13	7 25 59	9 28 12	11 18 36	13 20 48	15 19 04	17 21 18	19 19 35	21 21 48	23 24 01	1 22 18	3 24 32	5 22 49
14	7 29 56	9 32 09	11 22 33	13 24 44	15 23 01	17 25 15	19 23 31	21 25 45	23 27 57	1 26 15	3 28 29	5 26 45
15	7 33 52	9 36 06	11 26 29	13 28 41	15 26 57	17 29 11	19 27 28	21 29 41	23 31 54	1 30 12	3 32 25	5 30 42

16	7 37 49	9 40 03	11 30 26	13 32 37	15 30 54	17 33 08	19 31 24	21 33 38	23 5 51	1 34 08	3 36 22	5 34 38
17	7 41 45	9 43 59	11 34 22	13 36 34	15 34 50	17 37 05	19 35 21	21 37 34	23 39 47	1 38 05	3 40 18	5 39 35
18	7 45 42	9 47 56	11 38 19	13 40 31	15 38 47	17 41 01	19 39 17	21 41 31	23 43 44	1 42 01	3 44 15	5 42 31
19	7 49 39	9 51 53	11 42 15	13 44 27	15 42 44	17 44 58	19 43 14	21 45 27	23 47 40	1 45 58	3 48 11	5 46 28
20	7 53 35	9 55 49	11 46 12	13 48 24	15 46 40	17 48 54	19 47 10	21 49 24	23 51 37	1 49 54	3 52 08	5 50 25
21	7 57 32	9 59 46	11 50 08	13 52 20	15 50 37	17 52 51	19 51 07	21 53 20	23 55 33	1 53 51	3 56 04	5 54 21
22	8 01 29	10 03 42	11 54 05	13 56 17	15 54 33	17 56 47	19 55 03	21 57 17	23 59 30	1 57 47	4 00 01	5 58 18
23	8 05 25	10 07 39	11 58 01	14 00 13	15 58 30	18 00 44	19 59 00	22 01 13	00 03 27	2 01 44	4 03 58	6 02 14
24	8 09 22	10 11 35	12 01 58	14 04 10	16 02 26	18 04 40	20 02 56	22 05 10	00 07 23	2 05 41	4 07 54	6 06 11
25	8 13 18	10 15 32	12 05 54	14 08 06	16 06 23	18 08 37	20 06 53	22 09 06	00 11 20	2 09 37	4 11 51	6 10 07
26	8 17 15	10 19 29	12 09 51	14 12 03	16 10 19	18 12 33	20 10 49	22 13 03	00 15 17	2 13 34	4 15 47	6 14 04
27	8 21 11	10 23 25	12 13 47	14 15 59	16 14 16	18 16 30	20 14 46	22 16 59	00 19 13	2 17 30	4 19 44	6 18 01
28	8 25 08	10 27 22	12 17 44	14 19 56	16 18 13	18 20 27	20 18 43	32 20 56	00 23 10	2 21 27	4 23 40	6 21 57
29	8 29 04		12 21 40	14 23 53	16 22 09	18 24 23	20 22 39	22 24 52	00 27 07	2 25 23	4 27 37	6 25 54
30	8 33 01		12 25 37	14 27 49	16 26 06	18 28 20	20 26 36	22 28 49	00 31 03	2 29 20	4 31 33	6 29 51
31	8 36 57		12 29 33		16 30 03		20 30 33	22 32 46		2 33 16		6 33 47

N. B :— H-indicates hours, M-indicates minutes, S-indicates seconds given throughout these Tables.

ವಿ. ಸೂ :— ಎಲ್ಲಾ ಪಟ್ಟಿಗಳ ಮೇಲ್ಭಾಗದ ಕಾಲಂಗಳಲ್ಲಿ 'ಘ' ಎಂದರೆ ಘಂಟಿಗಳು, 'ನಿ' ಎಂದರೆ ನಿಮಿಷಗಳು, 'ಸೆ' ಎಂದರೆ ಸೆಕೆಂಡ್‌ಗಳೆಂದು ಪರಿಗಣಿಸಿರಿ.

A Table of Ascendant for Latitude 8th degree

Table - 2

Deg.	Mesha H.M.S.	Vrishbha H M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 20 56	21 12 35	23 16 44	1 27 43	3 34 27	5 33 42	7 31 10	9 34 16	11 44 28	13 53 02	15 50 14	17 36 43
1	19 24 29	21 16 32	23 21 03	1 32 04	3 38 32	5 37 36	7 35 09	9 38 31	11 48 51	13 57 09	15 53 56	17 40 10
2	19 28 03	21 20 29	23 25 23	1 36 24	3 42 36	5 41 30	7 39 08	9 42 46	11 53 13	14 01 55	15 57 36	17 43 37
3	19 31 27	21 24 26	23 29 43	1 40 44	3 46 40	5 45 24	7 43 07	9 47 01	11 56 35	14 06 41	16 01 16	17 47 04
4	19 35 12	21 28 25	23 34 03	1 45 03	3 50 43	5 49 17	7 47 08	9 51 18	12 01 58	14 09 25	16 04 55	17 50 31
5	19 38 47	21 32 25	23 38 24	1 49 22	3 54 46	5 53 11	7 51 09	9 55 35	12 06 20	14 13 29	16 08 33	17 53 58
6	19 42 23	21 36 26	23 42 45	1 53 40	3 58 48	5 57 05	7 55 10	9 59 53	12 10 42	14 17 32	16 12 11	17 57 25
7	19 45 59	21 40 27	23 47 23	1 57 58	4 02 50	6 00 59	7 59 11	10 04 51	12 15 04	14 21 35	16 15 49	18 00 52
8	19 49 38	21 44 29	23 51 29	2 02 16	4 06 51	6 04 52	8 03 13	10 08 29	12 19 25	14 25 35	16 19 25	18 04 19
9	19 53 16	21 48 33	23 55 51	2 06 33	4 10 52	6 08 46	8 07 16	10 12 47	12 23 46	14 29 35	16 23 01	18 07 46
10	19 56 54	21 52 37	00 00 13	2 10 50	4 14 52	6 12 40	8 11 19	10 17 06	12 28 07	14 33 34	16 26 36	18 11 23
11	20 00 34	21 56 42	00 04 36	2 15 06	4 18 52	6 16 34	8 15 22	10 21 26	12 32 27	14 37 33	16 30 10	18 14 40
12	20 04 14	22 00 48	00 08 59	2 19 21	4 22 51	6 20 23	8 19 25	10 25 46	12 36 47	14 41 30	16 33 44	18 18 07
13	20 07 45	22 04 54	00 13 22	2 23 36	4 26 50	6 24 22	8 23 30	10 30 06	12 41 07	14 45 27	16 37 18	18 21 44
14	20 11 37	22 09 02	00 17 44	2 27 51	4 30 49	6 28 15	8 27 36	10 34 27	12 45 25	14 49 22	16 40 51	18 25 01
51	20 15 19	22 13 11	00 22 07	2 32 05	4 34 47	6 32 09	8 31 42	10 38 48	12 49 44	14 53 17	16 44 23	18 28 28
16	20 19 02	22 17 20	00 26 30	2 36 19	4 38 45	6 36 03	8 35 48	10 43 10	12 54 01	14 57 11	16 47 55	18 31 55
17	20 22 45	22 21 29	00 30 53	2 40 33	4 42 43	6 39 57	8 39 54	10 47 32	12 58 18	15 00 05	16 51 27	18 35 22
18	20 26 31	22 25 40	00 35 16	2 44 44	4 46 39	6 43 53	8 44 02	10 51 54	13 02 35	15 04 56	16 54 58	18 38 52
19	20 30 17	22 29 52	00 39 39	2 48 56	4 50 36	6 47 43	8 48 10	10 56 16	13 06 52	15 08 47	16 58 28	18 42 20
20	20 34 03	22 34 04	00 44 02	2 53 07	4 54 32	6 51 43	8 52 19	11 00 38	13 11 07	15 12 37	17 01 58	18 45 49
21	20 37 51	22 38 17	00 48 25	2 57 17	4 58 28	6 55 38	8 56 28	11 05 00	13 15 22	15 16 27	17 05 28	18 49 18
22	20 41 39	22 42 31	00 52 48	3 01 27	5 02 24	6 59 34	9 00 38	11 09 23	13 19 36	15 20 15	17 08 58	18 52 47
23	20 45 27	22 46 45	00 57 11	3 05 37	5 06 20	7 03 28	9 04 38	11 13 46	13 23 50	15 24 03	17 12 28	18 56 16
24	20 49 18	22 51 01	01 01 33	3 09 46	5 10 15	7 07 26	9 08 59	11 18 09	13 28 02	15 27 50	17 15 50	18 59 47
25	20 53 08	22 55 16	01 05 55	3 13 54	5 14 10	7 11 22	9 13 10	11 22 32	13 32 14	15 31 36	17 19 24	19 03 17
26	20 57 00	22 59 33	01 10 17	3 18 02	5 18 05	7 15 19	9 17 22	11 26 55	13 36 25	15 35 21	17 22 52	19 06 48
27	21 00 52	23 03 50	01 14 39	3 22 10	5 22 00	7 19 16	9 21 24	11 31 18	13 40 36	15 39 06	17 26 20	19 10 19
28	21 04 40	23 08 09	01 19 01	3 26 15	5 25 53	7 23 14	9 25 48	11 35 42	13 44 45	15 42 49	17 29 48	19 13 51
29	21 08 40	23 12 25	01 23 22	3 30 21	5 29 48	7 27 12	9 30 02	11 40 05	13 48 54	15 46 32	17 33 16	19 17 23
30	21 12 35	23 16 44	01 27 43	3 34 27	5 33 42	7 31 10	9 34 16	11 44 28	13 53 02	15 50 14	17 36 43	19 20 56

A Table of Ascendant for Latitude 9th degree

Table - 2

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 20 17	21 11 13	23 14 54	1 26 07	3 33 27	5 33 31	7 31 49	9 35 39	11 46 13	13 54 38	15 51 14	17 36 55
1	19 23 48	21 15 08	23 19 17	1 30 28	3 37 33	5 37 27	7 35 50	9 39 55	11 50 36	13 58 45	15 54 54	17 40 21
2	19 27 20	21 19 04	23 23 37	1 34 39	3 41 39	5 41 23	7 39 51	9 44 11	11 54 59	14 02 50	15 58 33	17 43 47
3	19 31 52	21 23 00	23 27 57	1 38 50	3 45 45	5 45 19	7 43 52	9 48 27	11 59 22	14 06 55	16 02 12	17 47 13
4	19 34 26	21 26 58	23 32 17	1 43 30	3 49 49	5 49 14	7 47 53	9 52 46	12 03 45	14 10 58	16 05 49	17 50 37
5	19 38 00	51 30 57	23 36 38	1 47 50	3 53 53	5 53 09	7 51 55	9 57 04	12 08 07	14 15 01	16 09 26	17 54 01
6	19 41 35	21 34 56	23 40 59	1 52 10	3 57 57	5 57 04	7 55 58	10 01 22	12 12 29	14 19 03	16 13 02	17 57 26
7	19 45 10	21 38 55	23 45 20	1 56 30	4 02 01	6 00 59	8 00 01	10 05 40	12 16 51	14 23 05	16 16 38	18 00 51
8	19 48 46	21 42 58	23 49 42	2 00 47	4 06 03	6 04 54	8 04 04	10 10 00	12 21 12	14 27 04	16 20 13	18 04 16
9	19 52 22	21 47 00	23 54 04	2 05 05	4 10 06	6 08 49	8 08 08	10 14 20	12 25 33	14 31 03	16 23 47	18 07 41
10	19 56 00	21 51 03	23 58 26	2 09 23	4 14 08	6 12 44	8 12 13	10 18 40	12 29 54	14 35 01	16 27 20	18 11 06
11	19 59 38	21 55 08	00 02 49	2 13 40	4 18 09	6 16 39	8 16 18	10 23 01	12 34 14	14 38 58	16 30 53	18 14 31
12	20 03 16	21 59 13	00 07 12	2 17 57	4 22 10	6 20 35	8 20 24	10 27 22	12 38 33	14 42 54	14 34 26	18 17 56
13	20 06 54	22 03 18	00 11 35	2 22 14	4 26 11	6 24 31	8 24 30	10 31 43	12 42 52	14 46 50	16 37 59	18 21 21
14	20 10 36	22 07 25	00 15 58	2 26 29	4 30 11	6 28 27	8 28 37	10 36 04	12 47 11	14 50 45	16 41 29	12 24 48
15	20 14 17	22 11 33	00 20 21	2 30 44	4 34 11	6 32 23	8 32 44	10 40 26	12 51 29	14 54 38	16 45 00	18 28 14
16	20 17 58	22 15 41	00 24 44	2 34 59	4 38 10	6 36 19	8 36 52	10 44 48	12 55 46	14 58 30	16 48 30	18 31 40
17	20 21 39	22 19 49	00 29 17	2 39 14	4 42 09	6 40 15	8 41 00	10 49 30	13 00 03	15 02 22	16 52 00	18 35 06
18	20 25 24	22 24 01	00 33 32	2 43 27	4 46 08	6 44 11	8 45 09	10 53 33	13 04 20	15 06 13	16 55 29	18 38 32
19	20 29 09	22 28 12	00 37 36	2 47 40	4 50 06	6 48 08	8 49 18	10 57 56	13 08 35	15 10 03	16 58 58	18 41 59
20	20 32 54	22 32 23	00 42 20	2 51 52	4 54 04	6 52 05	8 53 28	11 02 19	13 12 50	15 13 52	17 02 27	18 45 26
21	20 36 40	22 36 36	00 46 43	2 56 04	4 58 02	6 56 02	8 57 39	11 06 42	13 17 05	15 17 40	17 05 55	18 48 53
22	20 40 26	22 40 49	00 51 06	3 00 16	5 01 59	7 00 00	9 01 50	11 11 05	13 21 18	15 21 27	17 09 23	18 52 21
23	20 44 12	22 45 02	00 55 29	3 04 28	5 05 56	7 03 58	9 06 01	11 15 28	13 25 31	15 25 14	17 12 51	18 55 49
24	20 48 03	22 49 17	00 59 52	3 08 37	5 09 53	7 07 55	9 10 14	11 19 53	13 29 43	15 28 59	17 16 17	18 59 17
25	20 51 52	22 53 32	01 04 15	3 12 47	5 13 50	7 11 53	9 14 27	11 24 17	13 33 54	15 32 44	17 19 44	19 02 46
26	20 55 43	22 57 48	01 08 37	3 16 56	5 17 47	7 15 52	9 18 40	11 28 41	13 38 05	15 36 27	17 23 11	19 06 15
27	20 59 32	23 02 04	01 13 01	3 21 05	5 21 44	7 19 51	9 23 13	11 33 05	13 42 16	15 40 10	17 26 38	19 09 44
28	21 03 26	23 06 22	01 17 23	3 25 12	5 25 39	7 23 50	9 27 08	11 37 26	13 46 21	15 43 52	17 30 03	19 13 15
29	21 07 19	23 10 40	01 21 41	3 29 20	5 29 35	7 27 49	9 31 23	11 41 50	13 50 31	15 47 34	17 33 29	19 16 46
30	21 11 13	23 14 54	01 26 07	3 33 27	5 33 31	7 31 49	9 35 39	11 46 13	13 54 38	15 51 14	17 36 55	19 20 17

A Table of Ascendant for Latitude 10th degree North

Table - 2

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 19 37	21 09 50	23 13 12	1 24 30	3 32 26	5 33 20	7 32 29	9 37 02	11 48 00	13 56 15	15 52 15	17 37 06
1	19 23 07	21 13 43	23 17 31	1 28 52	3 36 34	5 37 17	7 36 31	9 41 19	11 52 23	14 00 21	15 55 53	17 40 30
2	19 26 38	21 17 38	23 21 50	1 33 14	3 40 41	5 41 14	7 40 33	9 45 36	11 56 46	14 04 25	15 59 31	17 43 54
3	19 30 09	21 21 33	23 26 09	1 37 36	3 44 48	5 45 11	7 41 35	9 49 53	11 01 09	14 08 29	16 03 09	17 47 18
4	19 33 41	21 25 30	23 30 30	1 41 57	3 48 54	5 49 08	7 48 39	9 54 13	12 05 32	14 12 32	16 06 43	17 50 41
5	19 37 13	21 29 28	23 34 50	1 46 18	3 53 00	5 53 05	7 52 43	9 58 32	12 09 54	14 16 34	16 10 19	17 54 04
6	19 40 46	21 33 26	23 39 11	1 50 38	3 57 06	5 57 02	7 56 47	10 02 52	12 14 16	14 20 34	16 13 53	17 57 27
7	19 44 19	21 37 04	23 43 32	1 54 58	4 01 12	6 00 59	8 00 51	10 07 12	12 18 38	14 24 34	16 17 27	18 01 50
8	19 47 54	21 41 26	23 47 55	1 59 18	4 05 15	6 04 56	8 04 57	10 11 32	12 22 59	14 28 33	16 21 01	18 04 13
9	19 51 29	21 45 27	23 52 17	2 03 37	4 09 19	6 08 53	8 09 03	10 15 53	12 27 20	14 32 31	16 24 33	18 07 37
10	19 55 04	21 49 30	23 56 40	2 07 56	4 13 22	6 12 50	8 13 09	10 20 14	12 31 41	14 36 28	16 28 05	18 11 01
11	19 58 41	21 53 33	00 01 02	2 12 14	4 17 25	6 16 47	8 17 15	10 24 35	12 36 01	14 40 24	16 31 37	18 14 25
12	20 02 18	21 57 37	00 05 25	2 16 32	4 21 28	6 20 44	8 21 22	10 28 57	12 40 20	14 44 19	16 35 08	18 17 48
13	20 05 55	22 01 41	00 09 48	2 20 50	4 25 30	6 24 41	8 25 29	10 33 19	12 44 39	14 48 04	16 39 39	18 21 11
14	20 09 34	22 05 48	00 14 12	2 25 07	4 29 32	6 28 39	8 29 38	10 37 42	12 48 57	14 52 07	16 42 07	18 24 36
15	20 13 14	22 09 54	00 18 36	2 29 23	4 33 34	6 32 37	8 33 47	10 42 05	12 53 15	14 55 59	16 45 36	18 28 00
16	20 16 54	22 14 02	00 23 00	2 33 39	4 37 35	6 36 35	8 37 56	10 46 28	12 57 32	14 59 50	16 49 05	18 31 24
17	20 20 34	22 18 10	00 27 24	2 37 55	4 41 36	6 40 33	8 42 05	10 50 51	13 01 49	15 03 41	16 52 34	18 34 48
18	20 24 17	22 22 20	00 31 47	2 42 09	4 45 36	6 44 31	8 46 16	10 55 14	13 06 04	15 07 30	16 56 01	18 38 13
19	20 28 00	22 26 30	00 36 11	2 46 24	4 49 36	6 48 29	8 50 27	10 59 37	13 10 19	15 11 19	16 59 28	18 41 38
20	20 31 44	22 30 41	00 40 35	2 50 38	4 53 36	6 52 27	8 54 38	11 04 01	13 14 34	15 15 06	17 02 55	18 45 03
21	20 35 28	22 34 53	00 44 59	2 54 51	4 57 35	6 56 26	8 58 50	11 08 25	13 18 48	15 18 53	17 06 22	18 48 29
22	20 39 14	22 39 06	00 49 23	2 59 04	5 01 34	7 00 25	9 03 03	11 12 49	13 23 01	15 22 39	17 09 48	18 51 55
23	20 43 00	22 43 19	00 53 47	3 03 17	5 05 33	7 04 24	9 07 16	11 17 13	13 27 14	15 26 25	17 13 14	18 55 21
24	20 46 47	22 47 33	00 58 11	3 07 27	5 09 32	7 08 24	9 11 29	11 21 37	13 31 24	15 30 08	17 16 39	18 58 48
25	20 50 35	22 51 48	01 02 35	3 11 38	5 13 30	7 12 24	9 15 43	11 26 01	13 35 35	15 33 51	17 20 04	19 02 15
26	20 54 24	22 56 03	01 06 58	3 15 49	5 17 28	7 16 24	9 19 58	11 30 25	13 39 45	15 37 34	17 23 29	19 05 43
27	20 59 13	23 00 18	01 11 21	3 20 00	5 21 26	7 20 24	9 24 13	11 34 49	13 43 55	15 41 17	17 26 54	19 09 11
28	21 02 05	23 04 36	01 15 44	3 24 09	5 25 24	7 24 26	9 28 29	11 39 13	13 48 02	15 44 56	17 30 18	19 12 39
29	21 05 57	23 08 54	01 20 07	3 28 18	5 29 22	7 28 27	9 32 45	11 43 37	13 52 09	15 48 36	17 34 42	19 16 08
30	21 09 50	23 13 12	01 24 30	3 32 26	5 33 20	7 32 29	9 37 02	11 48 00	13 56 15	15 52 15	17 37 06	19 19 37

Table of Ascendant for Latitude 11th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 18 58	21 08 26	23 11 25	1 22 52	3 31 25	5 33 07	7 33 08	9 38 25	11 49 47	13 57 53	15 53 16	17 37 18
1	19 22 26	21 12 18	23 15 43	1 27 15	3 35 35	5 37 07	7 37 12	9 42 49	11 54 11	14 01 58	15 56 53	17 40 40
2	19 25 55	21 16 12	23 20 02	1 31 38	3 39 44	5 41 06	7 41 16	9 47 03	11 58 34	14 06 01	16 00 29	17 44 02
3	19 29 24	21 20 06	23 24 21	1 36 01	3 43 53	5 45 05	7 45 20	9 51 22	12 02 57	14 10 04	16 04 05	17 47 24
4	19 32 55	21 24 02	23 28 42	1 40 22	3 48 00	5 49 03	7 49 25	9 55 42	12 07 20	14 14 06	19 07 38	17 50 46
5	19 36 25	21 27 58	23 33 02	1 44 44	3 52 07	5 53 02	7 53 30	10 00 02	12 11 42	14 18 07	16 11 12	17 54 08
6	19 39 57	21 31 56	23 37 23	1 49 05	3 56 14	5 57 01	7 57 36	10 04 22	12 16 04	14 22 06	16 14 45	17 57 30
7	19 43 29	21 35 54	23 41 44	1 53 28	4 00 21	6 01 00	8 01 42	10 08 42	12 20 26	14 26 05	16 18 18	18 00 52
8	19 47 01	21 39 53	23 46 07	1 57 48	4 04 27	6 04 59	8 05 49	10 13 05	12 24 47	14 30 03	16 21 49	18 04 12
9	19 50 35	21 43 54	23 50 29	2 02 08	4 08 32	6 08 58	8 09 56	10 17 27	12 29 08	14 34 00	16 25 20	18 07 33
10	19 54 09	21 47 55	23 54 52	2 06 28	4 12 37	6 12 57	8 14 04	10 21 49	12 33 28	14 37 56	16 28 50	18 10 55
11	19 57 44	21 51 57	23 59 15	2 10 48	4 16 41	6 16 55	8 18 12	10 26 11	12 37 48	14 41 51	16 32 00	18 14 17
12	20 01 19	21 56 00	00 03 38	2 15 07	4 20 46	6 20 54	8 22 21	10 30 34	12 42 07	14 45 45	16 35 49	18 17 39
13	20 04 54	22 00 06	00 07 01	2 19 26	4 24 50	6 24 53	8 26 30	10 34 57	12 46 26	14 49 39	16 39 38	18 21 01
14	20 08 33	22 04 09	00 12 25	2 23 44	4 28 54	6 28 52	8 30 40	10 39 20	12 50 44	14 53 30	16 42 46	18 24 23
15	20 12 11	22 08 15	00 16 49	2 28 01	4 32 57	6 32 51	8 34 50	10 43 43	12 55 02	14 57 21	16 46 14	18 27 45
16	20 15 50	22 12 22	00 21 13	2 32 18	4 37 00	6 36 50	8 39 01	10 48 07	12 59 19	15 01 11	16 49 41	18 31 08
17	20 19 29	22 16 29	00 25 37	2 36 35	4 41 03	6 40 49	8 43 12	10 52 31	13 03 56	15 06 01	16 53 08	18 34 31
18	20 23 10	22 20 39	00 30 02	2 40 52	4 45 04	6 44 50	8 47 24	10 56 55	13 07 50	15 08 48	16 56 33	18 37 56
19	20 26 51	22 24 48	00 34 37	2 45 07	4 49 06	6 48 50	8 51 33	11 01 19	13 12 05	15 12 36	16 59 59	18 41 17
20	20 30 33	22 28 59	00 38 52	2 49 22	4 53 07	6 52 50	8 55 59	11 05 43	13 16 19	15 16 22	17 03 24	18 44 41
21	20 34 16	22 33 10	00 43 17	2 53 37	4 57 08	6 56 51	9 00 02	11 10 08	13 20 32	15 20 07	17 06 49	18 48 05
22	20 38 00	22 37 22	00 47 41	2 57 51	5 01 09	7 00 52	9 04 16	11 14 33	13 24 44	15 23 52	17 10 13	18 51 29
23	20 41 44	22 41 34	00 51 05	3 02 05	5 05 10	7 04 53	9 08 30	11 18 58	13 28 56	15 27 37	17 13 37	18 54 53
24	20 45 31	22 45 48	00 56 29	3 06 18	5 09 10	7 08 54	9 12 45	11 23 23	13 33 07	15 31 18	17 17 01	18 58 19
25	20 49 18	22 50 03	01 00 53	3 10 38	5 13 10	7 12 55	9 17 01	11 27 47	13 37 17	15 35 00	17 20 47	19 01 44
26	20 53 06	22 54 18	01 05 17	3 14 42	5 17 10	7 16 57	9 21 17	11 32 11	13 41 26	15 38 41	17 23 24	19 05 10
27	20 56 54	22 58 33	01 09 41	3 18 46	5 21 10	7 20 59	9 25 33	11 36 35	13 45 35	15 42 22	17 27 10	19 08 36
28	21 00 44	23 02 50	01 14 05	3 23 05	5 25 09	7 25 02	9 29 50	11 40 59	13 49 41	15 46 00	17 30 33	19 12 03
29	21 04 35	23 07 07	01 18 29	3 27 15	5 29 08	7 29 05	9 34 07	11 45 23	13 53 48	15 49 38	17 33 56	19 15 30
30	21 08 26	23 11 25	01 22 52	3 31 25	5 33 07	7 33 08	9 38 25	11 49 47	13 57 53	15 53 16	17 37 18	19 18 58

Table of Ascendant for Latitude 12th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 18 18	21 07 02	23 09 37	1 21 13	3 30 24	5 32 56	7 33 48	9 39 49	11 51 34	13 59 32	15 54 17	17 37 30
1	19 21 45	21 10 53	23 13 55	1 25 37	3 34 35	5 36 47	7 37 53	9 44 09	11 55 58	14 03 35	15 57 52	17 40 50
2	19 25 12	21 14 45	23 18 15	1 30 01	3 38 45	5 40 57	7 41 59	9 48 29	12 00 22	14 07 38	16 01 27	17 44 10
3	19 28 39	21 18 37	23 23 23	1 35 25	3 42 55	5 44 57	7 46 05	9 52 49	12 04 46	14 11 41	16 05 02	17 47 30
4	19 32 08	21 22 33	23 26 53	1 38 48	3 47 04	5 48 58	7 50 12	9 57 11	12 09 08	14 15 40	16 08 33	17 50 50
5	19 35 37	21 26 28	23 31 14	1 43 11	3 51 13	5 52 59	7 54 19	10 01 32	12 13 31	14 19 40	16 12 06	17 54 10
6	19 39 07	21 30 24	23 35 35	1 47 33	3 55 22	5 57 00	7 58 26	10 05 54	12 17 53	14 23 39	16 15 37	17 57 30
7	19 42 37	21 34 20	23 39 56	1 51 55	3 59 31	6 01 01	8 02 33	10 10 16	12 22 15	14 27 38	16 19 08	18 00 10
8	19 46 09	21 38 20	23 44 18	1 56 17	4 03 38	6 05 01	8 06 42	10 14 38	12 26 36	14 31 34	16 22 38	18 04 10
9	19 49 40	21 42 19	23 48 40	2 00 39	4 07 45	6 09 01	8 10 51	10 19 01	12 30 57	14 35 29	16 26 07	18 07 30
10	19 53 13	21 46 20	23 53 03	2 05 00	4 11 52	6 13 01	8 15 00	10 23 24	12 35 18	14 39 24	16 29 36	18 10 50
11	19 56 46	21 50 21	23 57 26	2 09 21	4 15 58	6 17 02	8 19 10	10 27 47	12 39 37	14 43 18	16 33 04	18 14 10
12	20 00 20	21 54 23	00 01 49	2 13 41	4 20 04	6 21 24	8 23 20	10 32 11	12 43 56	14 47 11	16 36 32	18 17 30
13	20 03 54	21 58 25	00 06 12	2 18 01	4 24 10	6 25 43	8 27 30	10 36 35	12 48 15	14 52 04	16 40 00	18 20 50
14	20 07 31	22 02 31	00 10 37	2 22 20	4 28 15	6 29 05	8 31 42	10 40 59	12 52 32	14 54 54	16 43 45	18 24 11
15	20 11 07	22 06 36	00 15 07	2 26 29	4 32 20	5 33 06	8 35 54	10 45 23	12 56 38	14 58 43	16 46 51	18 27 31
16	20 14 44	22 10 42	00 19 26	2 30 57	4 36 24	6 37 07	8 40 06	10 49 48	13 01 06	15 02 32	16 50 16	18 30 52
17	20 18 21	22 14 48	00 23 51	2 35 25	4 40 28	6 41 08	8 44 18	10 54 13	13 05 33	15 06 21	16 53 41	18 34 13
18	20 22 02	22 18 57	00 28 16	2 39 33	4 44 31	6 45 09	8 48 32	10 58 37	13 09 36	15 10 07	16 57 05	18 37 34
19	20 25 42	22 23 06	00 32 40	2 43 50	4 48 35	6 49 11	8 52 46	11 03 02	13 13 51	15 13 53	17 00 29	18 40 56
20	20 29 22	22 27 15	00 37 05	2 48 07	4 52 38	6 53 13	8 57 00	11 07 27	13 18 04	15 17 38	17 03 53	18 44 18
21	20 33 04	22 31 26	00 41 30	2 52 23	4 56 41	6 57 15	9 01 14	11 11 52	13 22 17	15 21 22	17 07 16	18 47 40
22	20 36 47	22 35 37	00 45 55	2 56 38	5 00 43	7 01 18	9 05 29	11 16 17	13 26 29	15 25 05	17 10 39	18 51 03
23	20 40 30	22 39 48	00 50 20	3 00 53	5 04 45	7 05 21	9 09 44	11 20 42	13 30 41	15 28 48	17 14 02	18 54 26
24	20 44 15	22 44 02	00 54 45	3 05 08	5 08 48	7 09 24	9 14 02	11 25 07	13 34 50	15 32 28	17 17 23	18 57 49
25	20 48 00	22 48 16	00 59 10	3 09 22	5 12 50	7 13 27	9 18 19	11 29 32	13 38 59	15 36 08	17 20 45	19 01 13
26	20 51 46	22 52 31	01 03 35	3 13 35	5 16 52	7 17 30	9 22 36	11 33 57	13 43 07	15 39 48	17 24 06	19 04 37
27	20 55 32	22 56 46	01 08 00	3 17 48	5 20 54	7 21 33	9 26 53	11 38 22	13 47 15	15 43 28	17 28 27	19 08 01
28	20 59 22	23 01 02	01 12 25	3 22 00	5 24 54	7 25 38	9 31 11	11 42 46	13 51 22	15 47 04	17 30 48	19 11 26
29	21 03 11	23 05 19	01 16 49	3 26 12	5 28 55	7 29 43	9 35 30	11 47 10	13 55 27	15 50 41	17 34 09	19 14 52
30	21 07 02	23 09 37	01 21 13	3 30 24	5 32 56	7 33 48	9 39 49	11 51 34	13 59 32	15 54 17	17 37 30	19 18 18

Table of Ascendant for Latitude 13th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H M S	Kumbha H M S	Meena H M S
0	19 17 38	21 05 37	23 07 48	1 19 34	3 29 22	5 32 44	7 34 28	9 41 14	11 53 23	14 01 11	15 55 19	17 37 41
1	19 21 03	21 09 27	23 12 06	1 23 59	3 33 34	5 36 47	7 38 35	9 45 35	11 57 47	14 05 14	15 58 53	17 41 00
2	19 24 29	21 13 18	23 16 25	1 28 24	3 37 46	5 40 49	7 42 42	9 49 56	12 02 11	14 09 15	16 02 26	17 44 18
3	19 27 55	21 16 59	23 20 44	1 32 49	3 41 58	5 44 51	7 46 49	9 54 17	12 06 35	14 13 16	16 05 59	17 47 36
4	19 31 22	21 21 03	23 25 04	1 37 12	3 46 09	5 48 53	7 50 58	9 58 40	12 10 58	14 17 16	16 09 29	17 50 55
5	19 34 49	21 24 57	23 29 24	1 41 36	3 50 20	5 52 56	7 55 07	10 03 03	12 15 21	14 21 15	16 12 59	17 54 13
6	19 38 17	21 28 53	23 33 45	1 46 00	3 54 30	5 56 58	7 59 16	10 07 26	12 19 43	14 25 13	16 16 29	17 57 31
7	19 41 45	21 32 49	23 38 06	1 50 24	3 58 40	6 01 00	8 03 25	10 11 49	12 24 05	14 29 11	16 19 59	18 00 49
8	19 45 15	21 36 46	23 42 28	1 54 46	4 02 49	6 05 03	8 07 35	10 16 12	12 28 26	14 33 05	16 23 27	18 04 08
9	19 48 46	21 40 44	23 46 51	1 59 09	4 06 58	6 09 05	8 11 45	10 20 36	12 32 46	14 37 00	16 26 55	18 07 26
10	19 52 17	21 44 44	23 51 14	2 03 31	4 11 06	6 13 17	8 15 56	10 25 00	12 37 06	14 40 53	16 30 22	18 10 44
11	19 55 48	21 48 44	23 55 37	2 07 53	4 15 14	6 17 09	8 20 08	10 29 24	12 41 26	14 44 46	16 33 48	18 14 02
12	19 59 21	21 52 45	00 00 00	2 12 14	4 19 22	6 21 12	8 24 20	10 33 49	12 45 45	14 48 37	16 37 14	18 17 20
13	20 02 54	21 56 46	00 04 23	2 16 35	4 23 30	6 25 15	8 28 32	10 38 14	12 50 04	14 52 28	16 41 40	18 20 38
14	20 06 28	22 00 57	00 08 48	2 20 56	4 27 36	6 29 17	8 32 44	10 42 39	12 54 21	14 56 18	16 44 04	18 23 58
15	20 10 03	22 04 55	00 13 13	2 25 16	4 31 42	6 33 20	8 36 57	10 47 04	12 58 38	15 00 06	16 47 28	18 27 17
16	20 13 39	22 09 00	00 17 38	2 29 36	4 35 48	6 37 23	8 41 11	10 51 29	13 02 54	15 03 54	16 50 52	18 30 36
17	20 17 15	22 13 05	00 22 03	2 33 56	4 39 54	6 41 26	8 45 25	10 55 54	13 07 10	15 07 42	16 54 16	18 33 55
18	20 20 53	22 17 14	00 26 28	2 38 14	4 43 59	6 45 29	8 49 40	11 00 19	13 11 24	15 11 26	16 57 38	18 37 15
19	20 24 32	22 21 22	00 30 55	2 42 32	4 48 04	6 49 32	8 53 55	11 04 45	13 15 37	15 15 10	17 01 00	18 40 35
20	20 28 11	22 25 31	00 35 18	2 46 50	4 52 09	6 53 36	8 58 11	11 09 11	13 19 50	15 18 54	17 04 22	18 43 55
21	20 31 51	22 29 41	00 39 44	2 51 08	4 56 14	6 57 40	9 02 27	11 13 37	13 24 02	15 22 37	17 07 43	18 47 15
22	20 35 32	22 33 52	00 44 10	2 55 25	5 00 18	7 01 44	9 06 44	11 18 03	13 28 14	15 26 18	17 11 04	18 50 36
23	20 39 03	22 38 03	00 48 36	2 59 42	5 04 22	7 05 48	9 11 01	11 22 29	13 32 26	15 29 59	17 14 25	18 53 57
24	20 42 58	22 42 16	00 53 02	3 03 57	5 08 26	7 09 53	9 15 19	11 26 54	13 36 34	15 33 39	17 17 45	18 57 19
25	20 46 42	22 46 29	00 57 28	3 08 12	5 12 29	7 13 58	9 19 37	11 31 19	13 40 42	15 37 18	17 21 05	19 00 41
26	20 50 27	22 50 44	01 01 54	3 12 27	5 16 32	7 18 03	9 23 55	11 35 44	13 44 50	15 40 56	17 24 25	19 04 03
27	20 54 12	22 54 59	01 06 20	3 16 42	5 20 35	7 22 08	9 28 13	11 40 09	13 48 58	15 44 34	17 27 45	19 07 25
28	20 58 00	22 59 14	01 10 44	3 20 56	5 24 38	7 26 15	9 32 34	11 44 34	13 53 02	15 48 09	17 31 03	19 10 50
29	21 01 48	23 03 31	01 15 09	3 25 09	5 28 41	7 30 21	9 36 54	11 48 59	13 57 07	15 51 44	17 34 22	19 14 14
30	21 05 37	23 07 48	01 19 34	3 29 22	5 32 44	7 34 28	9 41 14	11 53 23	14 01 11	15 55 19	17 37 41	19 17 38

Table of Ascendant for Latitude 14th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 16 58	21 04 11	23 05 58	1 17 54	3 28 19	5 32 32	7 35 08	9 42 40	11 55 13	14 02 51	15 56 21	17 37 53
1	19 20 21	21 08 00	23 10 16	1 22 20	3 32 34	5 36 36	7 39 17	9 47 02	11 59 38	14 06 53	15 59 53	17 41 10
2	19 23 45	21 11 50	23 14 34	1 26 45	3 36 47	5 40 40	7 43 26	9 51 25	12 04 02	14 10 54	16 03 24	17 44 26
3	19 27 09	21 15 40	23 18 52	1 31 10	3 41 00	5 44 44	7 47 35	9 55 48	12 08 26	14 14 15	16 06 55	17 47 42
4	19 30 45	21 19 33	23 23 13	1 35 36	3 45 13	5 48 49	7 51 45	10 00 11	12 12 48	14 18 52	16 10 25	17 51 00
5	19 34 00	21 23 46	23 27 33	1 40 01	3 49 25	5 52 53	7 55 56	10 04 34	12 17 11	14 22 50	16 13 54	17 54 16
6	19 37 27	21 27 20	23 31 34	1 44 25	3 53 37	5 56 57	8 00 06	10 08 58	12 21 33	14 26 47	16 17 22	17 57 33
7	19 40 54	21 31 14	23 36 15	1 48 49	3 57 49	6 01 01	8 04 16	10 13 22	12 25 55	14 30 44	16 20 55	18 00 50
8	19 44 42	21 35 11	23 40 38	1 53 14	4 01 59	6 05 05	8 08 29	10 17 47	12 30 16	14 34 37	16 24 17	18 04 05
9	19 47 51	21 39 08	23 45 00	1 57 37	4 06 10	6 09 09	8 12 41	10 22 12	12 34 37	14 38 31	16 27 43	18 07 22
10	19 51 20	21 43 06	23 49 23	2 02 01	4 10 19	6 13 13	8 16 53	10 26 37	12 38 57	14 42 23	16 31 08	18 10 38
11	19 54 50	21 47 06	23 53 47	2 06 24	4 14 29	6 17 17	8 21 06	10 31 02	12 43 16	14 46 14	16 34 33	18 13 55
12	19 58 21	21 51 06	23 58 10	2 10 46	4 18 38	6 21 21	8 25 19	10 35 28	12 47 35	14 50 05	16 37 57	18 17 12
13	20 02 52	21 55 00	00 02 33	2 15 08	4 22 37	6 25 25	8 29 32	10 39 54	12 51 54	14 53 59	16 41 21	18 20 29
14	20 05 25	21 59 10	00 06 59	2 19 31	4 26 56	6 29 30	8 33 48	10 44 19	12 56 10	14 57 43	16 44 44	18 23 45
15	20 08 58	22 03 14	00 11 24	2 23 52	4 31 04	6 33 35	8 38 02	10 48 45	13 00 26	15 01 30	16 48 06	18 27 02
16	20 12 33	22 07 18	00 15 49	2 28 13	4 35 12	6 37 39	8 42 18	10 53 11	13 04 42	15 05 16	16 51 28	18 30 20
17	20 16 08	22 11 22	00 20 14	2 32 34	4 39 20	6 41 43	8 46 34	10 57 37	13 08 58	15 09 02	16 55 50	18 33 38
18	20 19 44	22 15 30	00 24 40	2 36 54	4 43 26	6 45 49	8 50 49	11 02 04	13 13 12	15 12 46	16 58 11	18 36 55
19	20 23 21	22 19 38	00 29 06	2 41 14	4 47 33	6 49 54	8 55 29	11 06 30	13 17 25	15 16 29	17 01 31	18 40 13
20	20 26 59	22 23 46	00 33 32	2 45 33	4 51 40	6 54 00	8 59 23	11 10 55	13 21 37	15 20 11	17 04 51	18 43 32
21	20 30 38	22 27 50	00 37 37	2 49 52	4 55 46	6 58 05	9 03 41	11 15 23	13 25 49	15 23 52	17 08 11	18 46 51
22	20 34 17	22 32 05	00 42 24	2 54 10	4 59 51	7 02 11	9 07 59	11 19 49	13 30 00	15 27 33	17 11 30	18 50 10
23	20 37 26	22 36 15	00 46 51	2 58 28	5 03 56	7 06 17	9 12 17	11 24 15	13 34 11	15 31 14	17 14 49	18 53 30
24	20 41 40	22 40 29	00 51 17	3 02 44	5 08 03	7 10 24	9 16 36	11 28 41	13 38 18	15 34 25	17 18 07	18 56 49
25	20 45 23	22 44 42	00 55 43	3 07 02	5 12 08	7 14 30	9 20 50	11 33 07	13 42 26	15 38 28	17 21 25	19 00 09
26	20 49 06	22 48 55	01 00 09	3 11 19	5 16 13	7 18 37	9 25 16	11 37 33	13 46 33	15 42 04	17 24 44	19 03 30
27	20 52 49	22 53 08	01 04 35	3 15 36	5 20 18	7 22 44	9 29 36	11 41 59	13 50 40	15 45 40	17 28 03	19 06 51
28	20 56 37	22 57 25	01 09 02	3 19 50	5 24 23	7 26 52	9 33 57	11 46 23	13 54 44	15 49 14	17 31 19	19 10 13
29	21 00 23	23 01 41	01 13 28	3 24 05	5 28 28	7 31 00	9 38 18	11 50 48	13 58 48	15 52 48	17 34 36	19 13 35
30	21 04 11	23 05 58	01 17 54	3 28 19	5 32 32	7 35 08	9 42 40	11 55 13	14 02 51	15 56 21	17 37 53	19 16 58

14ನೇ ಡಿಗ್ರಿ ಉತ್ತರ ಅಕ್ಷಾಂಶದಲ್ಲಿರುವ ಸ್ಥಳಕ್ಕೆ ಲಗ್ನ ಕಾಲ

Table of Ascendant for Latitude 15th degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishbha H M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S	Meena H.M.S.
0	19 16 17	21 02 45	23 04 08	1 16 12	3 27 17	5 32 20	7 35 49	9 44 07	11 57 04	14 04 32	15 57 24	17 38 05
1	19 19 39	21 06 32	23 08 25	1 20 39	3 31 33	5 36 26	7 40 00	9 48 30	12 01 29	14 08 33	16 00 55	17 41 20
2	19 23 01	21 10 21	23 12 43	1 25 06	3 35 48	5 40 32	7 44 11	9 52 54	12 05 53	14 12 33	16 04 25	17 44 35
3	19 26 23	21 14 20	23 17 02	1 29 33	3 40 03	5 44 38	7 48 22	9 57 18	12 10 17	14 16 33	16 07 55	17 47 50
4	19 29 48	21 18 02	23 21 21	1 33 58	3 44 16	5 48 54	7 52 33	10 01 42	12 14 40	14 20 30	16 11 21	17 51 05
5	19 33 11	21 21 53	23 25 42	1 38 24	3 48 50	5 52 50	7 56 45	10 06 07	12 19 03	14 24 27	16 14 49	17 54 20
6	19 36 36	21 25 46	23 30 02	1 42 50	3 52 44	5 56 56	8 00 57	10 10 32	12 23 05	14 28 22	16 18 17	17 57 35
7	19 40 01	21 29 39	23 34 22	1 47 16	3 56 58	6 01 02	8 05 09	10 14 57	12 27 07	14 32 17	16 21 45	18 00 50
8	19 43 28	21 33 35	23 38 47	1 51 41	4 01 09	6 05 07	8 09 23	10 19 23	12 32 08	14 36 11	16 25 07	18 04 03
9	19 46 55	21 37 32	23 43 09	1 56 06	4 05 21	6 09 13	8 13 37	10 23 49	12 36 29	14 40 03	16 28 31	18 07 18
10	19 50 22	21 41 29	23 47 32	2 00 30	4 09 33	6 13 19	8 17 51	10 28 15	12 40 48	14 43 54	16 31 55	18 10 33
11	19 53 51	21 45 27	23 51 55	2 04 54	4 13 44	6 17 25	8 22 05	10 32 41	12 45 07	14 47 44	16 35 18	18 13 48
12	19 57 20	21 49 27	23 56 19	2 09 18	4 17 55	6 21 31	8 26 20	10 37 07	12 49 26	14 51 33	16 38 40	18 17 03
13	20 00 59	21 53 27	00 01 43	2 13 42	4 22 06	6 25 37	8 30 25	10 41 13	12 53 45	14 56 22	16 42 02	18 20 18
14	20 04 21	21 57 29	00 05 08	2 18 05	4 26 16	6 29 43	8 34 51	10 46 01	12 58 10	14 59 09	16 45 24	18 23 32
15	20 07 53	22 01 31	00 09 34	2 22 28	4 30 26	6 33 49	8 39 07	10 50 27	13 02 17	15 02 55	16 48 45	18 26 47
16	20 11 26	22 05 35	00 14 00	2 26 50	4 34 35	6 37 56	8 43 24	10 54 54	13 06 32	15 06 40	16 52 05	18 30 03
17	20 14 59	22 09 39	00 18 26	2 31 12	4 38 44	6 42 03	8 47 41	10 59 21	13 10 47	15 10 25	16 55 25	18 33 18
18	20 18 34	22 13 45	00 22 51	2 35 34	4 42 53	6 46 09	8 51 59	11 03 48	13 15 01	15 14 06	16 58 44	18 36 35
19	20 22 10	22 17 52	00 27 17	2 39 55	4 47 02	6 50 16	8 56 17	11 08 15	13 19 14	15 17 48	17 02 03	18 39 58
20	20 25 46	22 22 00	00 31 44	2 44 15	4 51 10	6 54 23	9 00 36	11 12 42	13 23 26	15 21 29	17 05 21	18 43 09
21	20 29 23	22 26 08	00 36 10	2 48 35	4 55 18	6 58 30	9 04 55	11 17 09	13 27 37	15 25 09	17 08 39	18 46 25
22	20 33 02	22 30 18	00 40 37	2 52 55	4 59 26	7 02 38	9 09 14	11 21 36	13 31 46	15 28 48	17 11 56	18 49 42
23	20 36 41	22 34 28	00 45 04	2 57 15	5 03 34	7 06 46	9 13 33	11 26 03	13 35 55	15 32 27	17 15 13	18 52 59
24	20 40 21	22 38 40	00 49 31	3 01 33	5 07 41	7 10 54	9 17 55	11 30 30	13 40 04	15 36 02	17 18 30	18 56 18
25	20 44 03	22 42 53	00 53 58	3 05 52	5 11 48	7 15 02	9 22 16	11 34 56	13 44 11	15 39 38	17 21 47	18 59 37
26	20 47 45	22 47 06	00 58 25	3 10 10	5 15 54	7 19 10	9 26 37	11 39 22	13 48 17	15 43 13	17 25 03	19 02 56
27	20 51 27	22 51 19	01 02 52	3 14 28	5 20 00	7 23 18	9 30 58	11 43 48	13 52 23	15 46 48	17 28 18	19 06 15
28	20 55 13	22 55 35	01 07 19	3 18 44	5 24 08	7 27 29	9 35 21	11 48 14	13 56 27	15 50 20	17 31 34	19 09 35
29	20 58 58	22 59 51	01 11 46	3 23 01	5 28 14	7 31 39	9 39 44	11 52 39	14 00 30	15 53 53	17 34 50	19 12 56
30	21 02 45	23 04 08	01 16 12	3 27 17	5 32 20	7 35 49	9 44 07	11 57 04	14 04 32	15 57 24	17 38 05	19 16 17

Table of Ascendant for Latitude 16th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 15 36	21 01 17	23 02 15	1 14 30	3 26 13	5 32 08	7 36 30	9 45 34	11 58 56	14 06 14	15 58 28	17 38 18
1	19 18 56	21 05 04	23 06 33	1 18 58	3 30 30	5 36 16	7 40 48	9 49 59	12 03 21	14 10 14	16 01 47	17 41 31
2	19 22 16	21 08 21	23 10 51	1 23 26	3 34 46	5 40 24	7 44 55	9 54 24	12 07 45	14 14 13	16 05 26	17 44 44
3	19 25 36	21 11 38	23 15 09	1 27 54	3 39 02	5 44 32	7 49 07	9 58 49	12 12 09	14 18 12	16 08 45	17 47 17
4	19 28 59	21 16 29	23 19 29	1 32 20	3 43 19	5 48 39	7 53 21	10 03 14	12 16 33	14 22 08	16 12 18	17 51 10
5	19 32 22	21 20 20	23 23 49	1 36 47	3 47 35	5 52 47	7 57 34	10 07 40	12 20 56	14 26 04	16 15 44	17 54 23
6	19 35 45	21 24 12	23 28 10	1 41 14	3 51 50	5 56 55	8 01 48	10 12 07	12 25 18	14 29 48	16 19 09	17 57 35
7	19 39 08	21 28 04	23 32 31	1 45 41	3 56 05	6 01 03	8 06 02	10 16 34	12 29 40	14 33 52	16 22 34	18 00 47
8	19 42 33	21 31 59	23 36 53	1 50 07	4 00 19	6 05 09	8 10 18	10 20 59	12 34 01	14 37 44	16 25 57	18 04 01
9	19 45 59	21 35 54	23 41 16	1 54 33	4 04 33	6 09 17	8 14 33	10 25 26	12 38 21	14 41 36	16 29 20	18 07 14
10	19 49 25	21 39 50	23 45 39	1 58 59	4 08 46	6 13 25	8 18 49	10 29 53	12 42 41	14 45 27	16 32 42	18 10 27
11	19 52 51	21 43 48	23 50 03	2 03 25	4 12 59	6 17 32	8 23 05	10 34 20	12 47 00	14 49 15	16 36 03	18 13 40
12	19 56 19	21 47 46	23 54 27	2 07 49	4 17 14	6 21 40	8 27 21	10 38 48	12 51 18	14 53 03	16 39 24	18 16 53
13	19 59 47	21 51 44	23 58 51	2 12 13	4 21 23	6 25 48	8 31 37	10 43 16	12 55 36	14 56 57	19 42 45	18 20 00
14	20 03 17	21 55 46	00 03 16	2 16 38	4 25 36	6 29 56	8 35 35	10 47 43	12 59 53	15 00 36	16 46 04	18 23 19
15	20 06 47	21 59 48	00 07 42	2 21 02	4 29 47	6 34 04	8 40 13	10 52 11	13 04 09	15 04 20	16 49 23	18 26 33
16	20 10 19	22 03 51	00 12 08	2 25 26	4 33 58	6 38 12	8 44 32	10 56 39	13 08 24	15 08 04	16 52 42	18 29 47
17	20 13 51	22 07 54	00 16 34	2 29 50	4 38 09	6 42 20	8 48 51	11 01 07	13 12 39	15 11 48	16 56 01	18 33 01
18	20 17 24	22 12 00	00 21 01	2 34 12	4 42 20	6 46 29	8 53 10	11 05 34	13 16 51	15 15 28	16 59 17	18 36 15
19	20 20 58	22 16 06	00 25 28	2 38 35	4 46 30	6 50 38	8 57 29	11 10 02	13 21 04	15 19 08	17 02 34	18 39 30
20	20 24 33	22 20 13	00 29 55	2 42 58	4 50 40	6 54 47	9 01 49	11 14 30	13 25 15	15 22 47	17 05 51	18 42 45
21	20 28 08	22 24 21	00 34 22	2 47 19	4 54 50	6 58 56	9 06 10	11 18 58	13 29 26	15 26 26	17 09 07	18 46 00
22	20 31 45	22 28 30	00 38 49	2 51 40	4 58 59	7 03 05	9 10 31	11 23 25	13 33 36	15 30 03	17 12 22	18 49 15
23	20 35 22	22 32 39	00 43 16	2 56 01	5 03 08	7 07 14	9 14 52	11 27 52	13 37 46	15 33 40	17 15 37	18 52 30
24	20 39 02	22 36 51	00 47 45	3 00 21	5 07 18	7 11 25	9 19 14	11 32 19	13 41 51	15 36 15	17 18 53	18 55 48
25	20 42 42	22 41 02	00 52 12	3 04 41	5 11 27	7 15 35	9 23 36	19 36 46	13 45 57	15 40 49	17 22 08	18 59 04
26	20 46 23	22 45 15	00 56 39	3 09 00	5 15 35	7 19 45	9 27 59	11 41 13	13 50 13	15 44 23	17 25 22	19 02 22
27	20 50 04	22 49 28	01 01 00	3 13 19	5 19 43	7 23 55	9 32 22	11 45 40	13 54 09	15 47 57	17 28 26	19 05 40
28	20 53 48	22 53 44	01 05 35	3 17 38	5 23 52	7 28 07	9 36 46	11 50 05	13 58 11	15 51 27	17 31 50	19 08 57
29	20 57 32	22 57 59	01 10 02	3 21 56	5 28 00	7 32 18	9 41 10	11 54 31	14 02 13	15 54 58	17 35 04	19 12 16
30	21 01 17	23 02 15	01 14 30	3 26 13	5 32 08	7 36 30	9 45 34	11 58 56	14 06 14	15 58 28	17 38 18	19 15 36

Table of Ascendant for Latitude 17th degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishbha H M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 14 54	20 59 49	23 00 22	1 12 48	3 25 09	5 31 56	7 37 12	9 47 02	12 00 49	14 07 57	15 59 32	17 38 30
1	19 18 13	21 03 54	23 04 39	1 17 16	3 29 28	5 36 06	7 41 26	9 51 28	12 05 14	14 11 57	16 02 59	17 41 41
2	19 21 31	21 07 20	23 08 57	1 21 44	3 33 46	5 40 15	7 45 40	9 55 54	12 09 39	14 15 55	16 06 26	17 44 52
3	19 24 49	21 11 06	23 13 15	1 26 12	3 38 04	5 44 24	7 49 54	10 00 02	12 14 04	14 19 53	16 09 53	17 48 03
4	19 28 10	21 14 56	23 17 35	1 30 41	3 42 22	5 48 35	7 54 09	10 04 43	12 18 27	14 23 47	16 13 16	17 51 15
5	19 31 31	21 18 46	23 21 55	1 35 09	3 46 39	5 52 44	7 58 25	10 09 16	12 22 50	14 27 42	16 16 40	17 54 26
6	19 34 53	21 22 36	23 26 15	1 39 37	3 50 56	5 56 53	8 02 40	10 13 42	12 27 12	14 31 36	16 20 04	17 57 47
7	19 38 15	21 26 26	23 30 35	1 44 05	3 55 13	6 01 02	8 05 55	10 18 08	12 31 34	14 35 30	16 23 28	18 00 48
8	19 41 38	21 30 21	23 34 59	1 48 32	3 59 28	6 05 12	8 11 13	10 22 37	12 35 55	14 39 19	16 26 48	18 03 59
9	19 45 02	20 34 15	23 39 22	1 52 59	4 03 43	6 09 21	8 15 30	10 27 05	12 40 15	14 43 09	16 30 09	18 07 10
10	19 48 26	21 38 10	23 43 45	1 57 26	4 07 57	6 13 30	8 19 47	10 31 33	12 44 35	14 46 58	16 33 29	18 10 21
11	19 51 52	21 42 07	23 48 09	2 01 53	4 12 13	6 17 40	8 24 04	10 36 02	12 48 54	14 50 46	16 36 49	18 13 32
12	19 55 17	21 46 04	23 52 33	2 06 19	4 16 27	6 21 50	8 28 23	10 40 30	12 53 12	14 54 33	16 40 03	18 16 43
13	19 58 42	21 50 01	23 56 57	2 10 45	4 20 41	6 26 00	8 32 42	10 44 58	12 57 30	14 58 20	16 43 27	18 19 54
14	20 02 12	21 54 03	00 01 24	2 15 11	4 24 55	6 30 09	8 37 00	10 49 27	13 01 46	15 02 03	16 46 41	18 23 05
15	20 05 41	21 58 03	00 05 55	2 19 36	4 29 08	6 34 19	8 41 20	10 53 56	13 05 01	15 05 46	16 50 02	18 26 18
16	20 09 10	22 02 05	00 10 16	2 24 01	4 33 21	6 38 29	8 45 40	10 58 24	13 10 16	15 09 29	16 53 19	18 29 30
17	20 12 39	22 06 07	00 14 37	2 28 26	4 37 34	6 42 39	8 50 00	11 02 42	13 14 31	15 14 12	16 56 36	18 32 42
18	20 16 12	22 10 13	00 19 09	2 32 50	4 41 47	6 46 49	8 54 21	11 07 21	13 18 43	15 16 50	16 59 52	18 35 55
19	20 19 45	22 14 18	00 23 36	2 37 14	4 45 58	6 51 00	8 58 42	11 11 59	13 22 55	15 20 29	17 03 06	18 39 08
20	20 23 18	22 18 24	00 28 04	2 41 37	4 50 10	6 55 11	9 03 04	11 16 19	13 27 05	15 24 07	17 05 21	18 42 21
21	20 26 53	22 22 32	00 32 32	2 46 00	4 54 22	6 59 22	9 07 26	11 20 46	13 31 16	15 27 44	17 09 35	18 45 34
22	20 30 28	22 26 40	00 36 59	2 50 23	4 58 33	7 03 33	9 11 48	11 25 14	13 35 24	15 31 20	17 12 49	18 48 48
23	20 34 03	22 30 48	00 41 26	2 54 46	5 02 44	7 07 44	9 16 10	11 29 42	13 39 32	15 35 56	17 16 03	18 52 02
24	20 37 42	22 35 00	00 45 55	2 59 07	5 06 55	7 11 59	9 20 34	11 34 10	13 43 38	15 38 29	17 19 16	18 55 17
25	20 41 20	22 39 11	00 50 24	3 03 29	5 11 05	7 16 08	9 24 58	11 38 37	13 47 45	15 42 01	17 22 29	18 58 32
26	20 45 00	22 43 24	00 54 53	3 07 50	5 15 16	7 20 20	9 29 22	11 43 04	13 51 05	15 45 33	17 25 42	19 01 47
27	20 48 40	22 47 37	00 59 22	3 12 11	5 19 27	7 24 32	9 33 46	11 47 31	13 55 55	15 49 05	17 28 15	19 05 02
28	20 52 23	22 51 51	01 03 50	3 16 30	5 23 36	7 28 45	9 38 11	11 51 58	13 59 56	15 52 34	17 32 06	19 08 20
29	20 56 05	22 56 06	01 08 19	3 20 50	5 27 46	7 32 58	9 42 37	11 56 24	14 03 57	15 56 04	17 35 38	19 11 37
30	20 59 49	23 00 22	01 12 48	3 25 09	5 31 56	7 37 12	9 47 02	12 00 49	14 07 57	15 59 32	17 38 30	19 14 54

Table of Ascendant for Latitude 18th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishbha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H M S	Kumbha H M S	Meena H M S
0	19 14 12	20 58 20	22 58 28	1 11 03	3 24 04	5 31 44	7 37 54	9 48 13	12 02 44	14 09 42	16 00 37	17 38 42
1	19 17 29	21 02 04	23 02 44	1 15 32	3 28 25	5 35 35	7 42 09	9 52 59	12 07 09	14 13 40	16 04 02	17 41 51
2	19 20 46	21 05 49	23 07 02	1 20 02	3 32 45	5 40 06	7 46 25	9 57 27	12 11 34	14 17 37	16 07 27	17 45 00
3	19 24 03	21 09 34	23 11 20	1 24 32	3 37 05	5 44 17	7 50 41	10 01 55	12 15 59	14 22 34	16 10 52	17 48 09
4	19 27 22	21 13 22	23 15 39	1 29 00	3 41 23	5 48 29	7 54 58	10 06 22	12 20 22	14 25 28	16 14 14	17 51 20
5	19 30 40	21 17 10	23 19 59	1 33 29	3 45 42	5 52 40	7 59 16	10 10 50	12 24 45	14 29 22	16 17 17	17 54 29
6	19 34 00	21 21 00	23 24 20	1 37 58	3 50 01	5 56 52	8 03 33	10 15 19	12 29 08	14 33 14	16 20 59	17 57 38
7	19 37 20	21 24 50	23 28 41	1 42 27	3 54 20	6 01 04	8 07 50	10 19 48	12 33 31	14 37 02	16 24 21	18 00 47
8	19 40 42	21 28 42	23 33 04	1 46 56	3 58 36	6 05 15	8 12 09	10 24 16	12 37 50	14 40 55	16 27 40	18 03 56
9	19 44 04	21 32 35	23 37 26	1 51 24	4 02 53	6 09 26	8 16 17	10 28 45	12 42 11	14 44 44	16 30 59	18 07 06
10	19 47 27	21 36 29	23 41 50	1 55 52	4 07 10	6 13 37	8 20 46	10 33 14	12 46 30	14 48 48	16 34 17	18 10 15
11	19 50 51	21 40 25	23 46 14	2 00 20	4 11 27	6 17 48	8 25 05	10 37 44	12 50 49	14 52 19	16 37 35	18 13 24
12	19 54 15	21 44 22	23 50 38	2 04 48	4 15 43	6 21 59	8 29 25	10 42 13	12 55 07	14 56 04	16 40 53	18 16 34
13	19 57 39	21 48 19	23 55 02	2 09 16	4 19 59	6 26 10	8 33 45	10 46 42	12 59 25	14 59 49	16 43 11	18 19 44
14	20 01 06	21 52 18	23 59 29	2 13 42	4 24 14	6 30 22	8 38 06	10 51 12	12 03 40	15 03 32	16 47 26	18 22 53
15	20 04 34	21 56 18	00 03 55	2 18 09	4 28 30	6 34 34	8 42 27	10 55 41	13 07 56	15 07 14	16 50 41	18 26 03
16	20 08 01	22 00 19	00 08 22	2 22 35	4 32 45	6 38 46	8 46 49	11 00 11	13 12 10	15 10 55	16 53 55	18 29 13
17	20 11 28	22 04 20	00 12 49	2 27 01	4 37 00	6 42 58	8 51 01	11 04 41	13 16 24	15 14 36	16 57 09	18 32 23
18	20 15 00	22 08 24	00 17 16	2 31 27	4 41 12	6 47 10	8 55 33	11 09 09	13 20 36	15 18 13	17 00 25	18 35 34
19	20 18 31	22 12 29	00 21 44	2 35 52	4 45 26	6 51 22	8 59 56	11 13 39	13 24 47	15 21 51	17 03 38	18 38 45
20	20 22 03	22 16 35	00 26 12	2 40 17	4 49 40	6 55 35	9 04 19	11 18 08	13 28 57	15 25 27	17 06 51	18 41 56
21	20 25 36	22 20 41	00 30 40	2 44 42	4 53 53	6 59 48	9 08 42	11 22 37	13 33 07	15 29 02	17 10 04	18 45 08
22	20 29 10	22 24 49	00 35 09	2 49 06	4 58 06	7 04 01	9 13 06	11 27 05	13 37 15	15 32 37	17 13 16	18 48 20
23	20 32 44	22 28 57	00 39 38	2 53 30	5 02 19	7 08 14	9 17 30	11 31 33	13 41 23	15 36 12	17 16 28	18 51 32
24	20 36 21	22 33 08	00 44 07	2 57 53	5 06 31	7 12 27	9 21 55	11 36 02	13 45 28	15 39 43	17 19 39	18 54 45
25	20 39 58	22 37 19	00 48 30	3 02 16	5 10 44	7 16 41	9 26 20	11 40 30	13 49 33	15 43 14	17 22 56	18 57 57
26	20 43 36	22 41 31	00 53 05	3 06 38	5 14 56	7 20 55	9 30 46	11 44 57	13 53 37	15 46 45	17 26 01	19 01 12
27	20 47 14	22 45 43	00 57 40	3 11 00	5 19 08	7 25 09	9 35 12	11 49 24	23 57 41	15 50 16	17 29 12	19 04 26
28	20 50 56	22 49 57	01 02 04	3 15 22	5 23 20	7 29 24	9 39 38	11 53 51	14 01 43	15 53 42	17 32 22	19 07 41
29	20 54 37	22 54 12	01 06 33	3 19 43	5 27 32	7 33 39	9 44 04	11 58 18	14 05 43	15 57 10	17 35 32	19 10 56
30	20 58 20	22 58 28	01 11 03	3 24 04	5 31 44	7 37 54	9 48 13	12 02 44	14 09 42	16 00 37	17 38 42	19 14 12

Table of Ascendant for Latitude 19th degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H M S	Kumbha H M S	Meena H M S
0	19 13 30	20 56 50	22 56 32	1 00 17	3 22 59	5 31 31	7 38 36	9 50 02	12 04 40	14 11 28	16 01 42	17 38 55
1	19 16 44	21 00 32	23 00 48	1 13 48	3 27 21	5 35 44	7 42 54	9 54 30	12 09 05	14 15 25	16 05 06	17 42 02
2	19 19 59	21 04 16	23 05 05	1 18 18	3 31 42	5 39 58	7 47 11	9 58 59	12 13 30	14 19 21	16 08 29	17 45 10
3	19 23 14	21 08 00	23 09 22	1 22 48	3 36 03	5 44 12	7 51 28	10 03 28	12 17 55	14 23 17	16 11 52	17 48 18
4	19 26 32	21 11 46	23 13 43	1 27 18	3 40 24	5 48 24	7 55 48	10 07 57	12 22 19	14 27 10	16 15 13	17 51 25
5	19 29 49	21 15 33	23 18 02	1 31 49	3 44 45	5 52 37	8 00 07	10 12 27	12 26 42	14 31 03	16 18 34	17 54 32
6	19 33 07	21 19 22	23 22 23	1 36 19	3 49 05	5 56 50	8 04 26	10 16 56	12 31 05	14 34 54	16 21 54	17 57 40
7	19 36 25	21 23 11	23 26 44	1 40 49	3 53 25	6 01 03	8 08 45	10 21 35	12 35 28	14 38 45	16 25 14	18 00 48
8	19 39 46	21 27 02	23 31 07	1 45 19	3 57 44	6 05 16	8 13 05	10 25 56	12 39 47	14 42 32	16 28 32	18 03 54
9	19 43 06	21 30 54	23 35 30	1 49 48	4 02 03	6 09 29	8 17 25	10 30 26	12 44 08	14 46 20	16 31 49	18 07 01
10	19 46 27	21 34 47	23 39 53	1 54 17	4 06 21	6 13 43	8 21 46	10 34 56	12 48 27	14 50 07	16 35 06	18 10 09
11	19 49 49	21 38 41	23 44 17	1 58 46	4 10 40	6 17 56	8 26 07	10 39 27	12 52 45	14 53 52	16 38 22	18 13 16
12	19 53 12	21 42 37	23 48 42	2 03 15	4 14 58	6 22 09	8 30 28	10 43 57	12 57 03	14 57 36	16 41 38	18 16 24
13	19 56 35	21 46 33	23 53 07	2 07 44	4 19 16	6 26 22	8 34 49	10 48 27	13 01 21	15 01 20	16 44 54	18 19 32
14	20 00 00	21 50 31	23 57 33	2 12 13	4 23 32	6 30 36	8 39 13	10 52 58	13 05 36	15 05 01	16 48 07	18 22 40
15	20 03 25	21 54 30	00 02 00	2 16 40	4 27 49	6 34 49	8 43 35	10 57 28	13 09 51	15 08 42	16 51 21	18 25 48
16	20 06 52	21 58 31	00 05 27	2 21 03	4 32 06	6 39 03	8 47 58	11 01 59	13 14 05	15 12 21	16 54 34	18 28 56
17	20 10 19	22 02 32	00 10 54	2 25 36	4 36 23	6 43 17	8 52 21	11 06 30	13 18 19	15 16 00	16 57 47	18 32 04
18	20 13 48	22 06 35	00 15 22	2 30 03	4 40 38	6 47 31	8 56 46	11 10 59	13 22 30	15 19 37	17 00 59	18 35 13
19	20 17 17	22 10 39	00 19 50	2 34 29	4 44 53	6 51 45	9 01 10	11 15 29	13 26 41	15 23 13	17 04 11	18 38 23
20	20 20 47	22 14 44	00 24 19	2 38 56	4 49 09	6 55 59	9 05 35	11 19 59	13 30 50	15 26 48	17 07 22	18 41 32
21	20 24 19	22 18 50	00 28 48	2 43 22	4 53 24	7 00 14	9 10 00	11 24 28	13 34 59	15 30 22	17 10 33	18 44 42
22	20 27 51	22 22 57	00 33 17	2 47 48	4 57 39	7 04 29	9 14 25	11 28 50	13 39 07	15 33 55	17 13 43	18 47 53
23	20 31 23	22 27 04	00 37 46	2 52 04	5 01 54	7 08 44	9 18 50	11 33 28	13 43 15	15 37 38	17 16 53	18 51 04
24	20 34 59	22 31 14	00 42 16	2 56 38	5 06 08	7 12 59	9 23 17	11 37 55	13 47 19	15 40 58	17 20 03	18 54 13
25	20 38 35	22 35 25	00 46 46	3 01 02	5 10 22	7 17 14	9 27 44	11 42 24	13 51 23	15 44 28	17 23 12	18 57 25
26	20 42 11	22 39 36	00 51 16	3 05 26	5 14 36	7 21 30	9 32 11	11 46 52	13 55 27	15 47 57	17 26 21	19 00 37
27	20 45 47	22 43 47	00 55 46	3 09 50	5 18 50	7 25 46	9 36 38	11 51 20	13 59 31	15 51 26	17 29 30	19 03 49
28	20 49 28	22 48 02	01 00 17	3 14 13	5 23 04	7 30 03	9 41 06	11 55 47	14 03 30	15 54 51	17 32 38	19 07 02
29	20 53 08	22 52 16	01 04 47	3 18 36	5 27 17	7 34 19	9 45 34	12 00 14	14 07 29	15 58 17	17 35 46	19 10 16
30	20 56 50	22 56 32	01 09 17	3 22 59	5 31 31	7 38 36	9 50 02	12 04 40	14 11 28	16 01 42	17 38 55	19 13 30

Table of Ascendant for Latitude 20th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 12 47	20 55 18	22 54 34	1 07 30	3 21 52	5 31 18	7 39 19	9 51 33	12 06 37	14 13 15	16 02 49	17 39 07
1	19 16 01	20 58 59	22 58 50	1 12 01	3 26 16	5 35 34	7 43 39	9 56 03	12 11 03	14 17 11	16 06 11	17 42 13
2	19 19 13	21 02 41	23 03 07	1 16 33	3 30 39	5 39 49	7 47 58	10 00 33	12 15 29	14 21 06	16 09 33	17 45 19
3	19 22 25	21 06 23	23 07 24	1 21 05	3 35 02	5 44 04	7 52 17	10 05 03	12 19 55	14 25 01	16 12 55	17 48 25
4	19 25 42	21 10 10	23 11 44	1 25 35	3 39 25	5 48 19	7 56 37	10 09 34	12 24 17	14 28 53	16 16 13	17 51 30
5	19 28 58	21 13 56	23 16 04	1 30 07	3 43 47	5 52 34	8 00 58	10 14 05	12 28 41	14 32 44	16 19 32	17 54 35
6	19 32 14	21 17 43	23 20 24	1 34 38	3 48 09	5 56 49	8 05 19	10 18 36	12 33 03	14 36 34	16 22 50	17 57 41
7	19 35 30	21 21 40	23 24 44	1 39 09	3 52 31	6 01 04	8 09 40	10 23 07	12 37 25	14 40 24	16 26 08	18 00 47
8	19 38 49	21 25 21	23 29 08	1 43 40	3 56 51	6 05 19	8 14 02	10 27 38	12 41 46	14 44 11	16 29 25	18 03 52
9	19 42 07	21 29 11	23 33 31	1 48 11	4 01 12	6 09 34	8 18 24	10 32 09	12 46 06	14 47 58	16 32 40	18 06 57
10	19 45 27	21 33 03	23 37 55	1 52 41	4 05 32	6 13 49	8 22 47	10 36 40	12 50 25	14 51 43	16 35 55	18 10 03
11	19 48 47	21 36 57	23 42 19	1 57 12	4 09 52	6 18 04	8 27 09	10 41 12	12 54 44	14 55 27	16 39 10	18 13 08
12	19 52 08	21 40 51	23 46 44	2 01 42	4 14 12	6 22 19	8 31 32	10 45 43	12 59 01	14 59 10	16 42 24	18 16 14
13	19 55 27	21 44 45	23 51 09	2 06 12	4 18 32	6 26 34	8 35 55	10 50 14	13 03 18	15 02 53	16 45 38	18 19 20
14	19 58 53	21 48 44	23 55 36	2 10 42	4 22 50	6 30 49	8 40 20	10 54 46	13 07 33	15 06 32	16 48 50	18 22 26
15	20 02 17	21 52 42	00 00 03	2 15 11	4 27 09	6 35 05	8 44 44	10 59 17	13 11 48	15 10 11	16 52 01	18 25 32
16	20 05 41	21 56 41	00 04 30	2 19 40	4 31 27	6 39 20	8 49 09	11 03 48	13 16 01	15 13 50	16 55 13	18 28 39
17	20 09 05	22 00 40	00 08 57	2 24 09	4 35 45	6 43 35	8 53 34	11 08 19	13 20 14	15 17 29	16 58 25	18 31 46
18	20 12 34	22 04 44	00 13 26	2 28 38	4 40 03	6 47 52	8 57 59	11 12 50	13 24 26	15 21 02	17 01 34	18 34 52
19	20 16 02	22 08 47	00 17 55	2 33 06	4 44 20	6 52 08	9 02 25	11 17 21	13 28 35	15 24 37	17 04 44	18 38 00
20	20 19 30	22 12 51	00 22 34	2 37 34	4 48 38	6 56 24	9 06 52	11 21 51	13 32 45	15 28 11	17 07 53	18 41 07
21	20 23 00	22 16 56	00 26 54	2 42 01	4 52 55	7 00 40	9 11 18	11 26 22	13 36 54	15 31 43	17 11 02	18 44 15
22	20 26 31	22 21 03	00 31 23	2 46 28	4 57 11	7 04 57	9 15 46	11 30 52	13 41 00	15 35 14	17 14 11	18 47 24
23	20 30 02	22 25 10	00 35 52	2 50 55	5 01 27	7 09 14	9 20 14	11 35 22	13 45 06	15 38 45	17 17 20	18 50 33
24	20 33 36	22 29 19	00 40 24	2 55 22	5 05 43	7 13 31	9 24 40	11 39 51	13 49 11	15 42 14	17 20 27	18 53 41
25	20 37 10	22 33 29	00 44 54	2 59 48	5 10 00	7 17 48	9 29 08	11 44 19	13 53 15	15 45 42	17 23 34	18 56 51
26	20 40 45	22 37 40	00 49 25	3 04 13	5 14 16	7 22 06	9 33 37	11 48 48	13 57 17	15 49 10	17 26 41	19 00 01
27	20 44 20	22 41 51	00 53 46	3 08 38	5 18 32	7 26 24	9 38 06	11 53 17	14 01 19	15 52 38	17 29 48	19 03 11
28	20 47 59	22 46 05	00 58 28	3 13 03	5 22 48	7 30 42	9 42 34	11 57 44	14 05 19	15 56 01	17 32 55	19 06 23
29	20 51 38	22 50 19	01 02 59	3 17 28	5 27 03	7 35 01	9 47 04	12 02 10	14 09 17	15 59 25	17 36 01	19 09 34
30	20 55 18	22 54 34	01 07 30	3 21 52	5 31 18	7 39 19	9 51 33	12 06 37	14 13 15	16 02 49	17 39 07	19 12 47

Table of Ascendant for Latitude 21st degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 12 03	20 53 45	22 52 35	1 05 41	3 20 45	5 31 06	7 40 03	9 53 06	12 08 36	14 15 03	16 03 56	17 39 20
1	19 15 14	20 57 25	22 56 51	1 10 14	3 25 10	5 35 23	7 44 24	9 57 37	12 13 02	14 18 59	16 07 17	17 42 24
2	19 18 26	21 01 06	23 01 08	1 14 46	3 29 35	5 39 40	7 48 45	10 02 09	12 17 28	14 22 53	16 10 37	17 45 28
3	19 21 38	21 04 37	23 05 25	1 19 18	3 34 00	5 43 57	7 53 06	10 06 31	12 21 54	14 26 57	16 13 57	17 48 32
4	19 24 51	21 08 31	23 09 44	1 23 51	3 38 24	5 48 14	7 57 29	10 11 12	12 26 17	14 30 37	16 17 14	17 51 35
5	19 28 05	21 12 16	23 14 04	1 28 23	3 42 48	5 52 31	8 01 51	10 15 44	12 30 41	14 34 28	16 20 31	17 54 39
6	19 31 19	21 16 02	23 18 24	1 32 56	3 47 12	5 56 47	8 06 14	10 20 16	12 35 03	14 38 17	16 23 47	17 57 42
7	19 34 33	21 20 08	23 22 44	1 37 19	3 51 36	6 01 03	8 10 37	10 24 48	12 39 46	14 42 04	16 27 03	18 00 45
8	19 37 51	21 23 38	23 27 08	1 42 00	3 55 58	6 05 21	8 15 00	10 29 20	12 44 06	14 45 51	16 30 18	18 03 49
9	19 41 07	21 27 27	23 31 31	1 46 32	4 00 20	6 09 38	8 19 24	10 33 53	12 48 25	14 49 36	16 33 32	18 06 53
10	19 44 25	21 31 18	23 35 55	1 51 04	4 04 42	6 13 55	8 23 48	10 38 25	12 52 41	14 53 20	16 36 45	18 09 57
11	19 47 44	21 35 11	23 40 19	1 55 36	4 09 04	6 18 12	8 28 12	10 42 58	12 56 44	14 57 03	16 39 58	18 13 00
12	19 51 03	21 39 04	23 44 44	2 00 07	4 13 25	6 22 29	8 32 37	10 47 30	13 01 01	15 00 44	16 43 10	18 16 04
13	19 54 22	21 42 57	23 49 09	2 04 38	4 17 46	6 26 49	8 37 02	10 52 02	13 05 18	15 04 25	16 46 22	18 19 08
14	19 57 45	21 46 55	23 53 37	2 09 10	4 22 07	6 31 03	8 41 28	10 56 35	13 09 32	15 08 06	16 49 32	18 22 12
15	20 01 07	21 50 52	23 58 04	2 13 40	4 26 28	6 35 20	8 45 54	11 01 07	13 13 47	15 11 42	16 52 42	18 25 17
16	20 04 30	21 54 50	00 02 32	2 18 11	4 30 48	6 39 38	8 50 20	11 05 39	13 18 00	15 15 19	16 55 52	18 28 21
17	20 07 53	21 58 48	00 07 00	2 22 42	4 35 08	6 43 56	8 54 46	11 10 11	13 22 13	15 18 56	16 59 02	18 31 25
18	20 11 19	22 02 51	00 11 29	2 27 11	4 39 27	6 48 13	8 59 14	11 14 43	13 26 23	15 22 29	17 02 09	18 34 31
19	20 14 45	22 06 54	00 15 58	2 31 40	4 43 47	6 52 31	9 03 42	11 19 14	13 30 33	15 26 02	17 05 17	18 37 37
20	20 18 12	22 10 57	00 20 28	2 36 10	4 48 06	6 56 49	9 08 10	11 23 45	13 34 42	15 29 34	17 08 25	18 40 42
21	20 21 41	22 15 02	00 24 58	2 40 39	4 52 25	7 01 07	9 12 38	11 28 16	13 38 49	15 33 05	17 11 32	18 43 48
22	20 25 10	22 19 07	00 29 28	2 45 08	4 56 43	7 05 26	9 17 07	11 32 47	13 42 56	15 36 35	17 14 39	18 46 55
23	20 28 39	22 23 12	00 33 58	2 49 37	5 01 01	7 09 45	9 21 36	11 37 18	13 47 03	15 40 05	17 17 46	18 50 02
24	20 32 12	22 27 23	00 38 30	2 54 04	5 05 20	7 14 04	9 26 04	11 41 47	13 51 08	15 43 31	17 20 51	18 53 09
25	20 35 45	22 31 32	00 43 02	2 58 32	5 09 38	7 18 23	9 30 34	11 46 16	13 55 05	15 46 58	17 23 56	18 56 17
26	20 39 18	22 35 42	00 47 33	3 02 59	5 13 56	7 22 42	9 35 04	11 50 46	13 59 09	15 50 24	17 27 01	18 59 25
27	20 42 51	22 39 52	00 52 04	3 07 26	5 18 14	7 27 01	9 39 34	11 55 16	14 03 10	15 53 56	17 30 06	19 02 33
28	20 46 30	22 44 07	00 56 37	3 11 53	5 22 31	7 31 22	9 44 04	11 59 42	14 07 09	15 57 12	17 33 11	19 05 42
29	20 50 07	22 48 20	01 01 09	3 16 19	5 26 48	7 35 42	9 48 35	12 04 10	14 11 07	16 00 34	17 36 16	19 08 53
30	20 53 45	22 52 35	01 05 41	3 20 45	5 31 06	7 40 03	9 53 06	12 08 36	14 15 03	16 03 56	17 39 20	19 12 03

Table of Ascendant for Latitude 22nd degree North

Table - 3

Degi.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 11 19	20 52 11	22 50 34	1 03 51	3 19 37	5 30 53	7 40 47	9 54 40	12 10 37	14 16 53	16 05 04	17 39 33
1	19 14 28	20 55 50	22 54 50	1 08 25	3 24 04	5 35 12	7 45 10	9 59 13	12 15 04	14 20 48	16 08 23	17 42 35
2	19 17 38	20 59 29	22 59 06	1 12 58	3 28 30	5 39 31	7 49 33	10 03 45	12 19 30	14 24 41	16 11 42	17 45 37
3	19 20 50	21 02 58	23 03 22	1 17 31	3 32 56	5 43 50	7 53 56	10 08 17	12 23 56	14 28 34	16 15 01	17 48 39
4	19 24 00	21 06 52	23 07 42	1 22 05	3 37 23	5 48 08	7 58 20	10 12 51	12 28 19	14 32 23	16 18 15	17 51 40
5	19 27 12	21 10 36	23 12 02	1 26 39	3 41 49	5 52 27	8 02 44	10 17 25	12 32 43	14 36 13	16 21 31	17 54 42
6	19 30 24	21 14 20	23 16 22	1 31 12	3 46 14	5 56 46	8 07 09	10 21 58	12 37 05	14 40 00	16 24 45	17 57 44
7	19 33 36	21 18 04	23 20 42	1 35 45	3 50 39	6 01 05	8 11 34	10 26 31	12 41 27	14 43 47	16 27 59	18 00 46
8	19 36 52	21 21 52	23 25 06	1 40 18	3 55 04	6 05 23	8 15 59	10 31 05	12 45 48	14 47 32	16 31 12	18 03 47
9	19 40 07	21 25 42	23 29 29	1 44 52	3 59 28	6 09 42	8 20 24	10 35 38	12 50 08	14 51 16	16 34 24	18 06 49
10	19 43 23	21 29 32	23 33 53	1 49 25	4 03 52	6 14 01	8 24 50	10 40 12	12 54 27	14 54 59	16 37 36	18 09 50
11	19 46 40	21 33 23	23 38 18	1 53 58	4 08 15	6 18 20	8 29 16	10 44 45	12 58 45	14 58 40	16 40 47	18 12 52
12	19 49 57	21 37 15	23 42 43	1 58 31	4 12 38	6 22 39	8 33 43	10 49 19	13 03 02	15 02 21	16 43 57	18 15 54
13	19 53 14	21 41 07	23 47 08	2 02 54	4 17 01	6 26 58	8 38 20	10 53 53	13 07 19	15 06 02	16 47 07	18 18 56
14	19 56 36	21 45 04	23 51 36	2 07 36	4 21 24	6 31 17	8 42 37	10 58 25	13 11 33	15 09 38	16 50 15	18 21 59
15	19 59 56	21 49 00	23 56 04	2 12 09	4 25 45	6 35 36	8 47 05	11 02 59	13 15 47	15 13 14	16 53 24	18 25 01
16	20 03 17	21 52 58	00 00 32	2 16 40	4 30 08	6 39 56	8 51 33	11 07 32	13 20 00	15 16 49	16 56 31	18 28 03
17	20 06 38	21 56 56	00 05 00	2 21 11	4 34 30	6 44 16	8 56 01	11 12 05	13 24 13	15 20 24	16 59 38	18 31 05
18	20 10 03	22 00 57	00 09 30	2 25 44	4 38 52	6 48 35	9 00 30	11 16 37	13 28 22	15 23 56	17 02 45	18 34 10
19	20 13 28	22 04 59	00 14 00	2 30 15	4 43 13	6 52 55	9 04 59	11 21 09	13 32 32	15 27 38	17 05 51	18 37 13
20	20 16 53	22 09 01	00 18 30	2 34 46	4 47 34	6 57 15	9 09 29	11 25 41	13 36 40	15 30 58	17 08 57	18 40 17
21	20 20 20	22 13 05	00 23 00	2 39 16	4 51 55	7 01 35	9 13 58	11 30 13	13 40 47	15 34 28	17 12 02	18 43 21
22	20 23 48	22 17 10	00 27 31	2 43 46	4 56 15	7 05 55	9 18 29	11 34 44	13 44 52	15 37 55	17 15 07	18 46 26
23	20 27 16	22 21 15	00 32 02	2 48 16	5 00 35	7 10 15	9 23 00	11 39 15	13 48 57	15 41 22	17 18 12	18 49 31
24	20 30 47	22 25 24	00 36 35	2 52 46	5 04 56	7 14 37	9 27 30	11 43 46	13 53 00	15 44 50	17 21 15	18 52 36
25	20 34 18	22 29 33	00 41 07	2 57 15	5 09 15	7 18 58	9 32 01	11 48 15	13 57 02	15 48 15	17 24 19	18 55 42
26	20 37 50	22 33 43	00 45 29	3 01 44	5 13 35	7 23 19	9 36 32	11 52 45	14 01 03	15 51 39	17 27 22	18 58 48
27	20 41 32	22 37 53	00 50 11	3 05 13	5 17 55	7 27 40	9 41 03	11 57 15	14 05 04	15 55 03	17 30 25	19 01 54
28	20 44 58	22 42 05	00 54 45	3 10 41	5 22 14	7 32 02	9 45 36	12 01 42	14 09 01	15 58 23	17 33 28	19 05 02
29	20 48 34	22 46 20	00 59 18	3 15 09	5 26 33	7 36 25	9 50 08	12 06 10	14 12 58	16 01 44	17 36 30	19 08 10
30	20 52 11	22 50 34	01 03 51	3 19 37	5 30 53	7 40 47	9 54 40	12 10 37	14 16 53	16 05 04	17 39 33	19 11 19

22ನೇ ಅಗ್ರ ಅಕ್ಷಾಂಶದಲ್ಲಿರುವ ಸ್ಥಳಗಳಿಗೆ ಉಪಯೋಗ

Table of Ascendant for Latitude 23rd degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 10 34	20 50 36	22 48 31	1 01 59	3 18 27	5 30 39	7 41 32	9 56 16	12 12 40	14 18 45	16 06 14	17 39 46
1	19 13 42	20 54 13	22 52 46	1 06 34	3 22 56	5 35 00	7 45 57	10 00 50	12 17 07	14 22 39	16 09 31	17 42 46
2	19 16 49	20 57 51	22 57 07	1 11 08	3 27 25	5 39 21	7 50 22	10 05 24	12 21 33	14 26 31	16 12 47	17 45 46
3	19 19 56	21 01 29	23 01 20	1 15 42	3 31 54	5 43 42	7 54 47	10 09 58	12 25 59	14 30 23	16 16 03	17 48 46
4	19 23 07	21 05 11	23 05 38	1 20 17	3 36 21	5 48 04	7 59 12	10 14 32	12 30 23	14 34 11	16 19 47	17 51 46
5	19 26 18	21 08 53	23 09 58	1 24 52	3 40 48	5 52 24	8 03 38	10 19 07	12 34 47	14 37 59	16 22 31	17 54 46
6	19 29 28	21 12 37	23 14 18	1 29 27	3 45 15	5 56 44	8 08 05	10 23 41	12 39 09	14 41 46	16 25 44	17 57 45
7	19 32 38	21 16 21	23 18 38	1 34 02	3 49 42	6 01 04	8 12 32	10 28 05	12 43 31	14 45 33	16 28 57	18 00 44
8	19 35 52	21 20 07	23 23 02	1 38 36	3 54 09	6 05 26	8 16 59	10 32 51	12 47 52	14 49 15	16 32 07	18 03 45
9	19 39 06	21 23 55	23 27 25	1 43 10	3 58 35	6 09 47	8 21 26	10 37 25	12 52 12	14 52 58	16 35 18	18 06 44
10	19 42 20	21 27 44	23 31 59	1 47 45	4 03 00	6 14 07	8 25 53	10 42 00	12 56 31	14 56 39	16 38 27	18 09 44
11	19 45 35	21 31 34	23 36 14	1 52 19	4 07 25	6 18 28	8 30 21	10 45 35	13 00 49	15 00 19	16 41 36	18 12 44
12	19 48 51	21 35 25	23 40 40	1 56 53	4 11 51	6 22 49	8 34 50	10 51 09	13 05 05	15 03 48	16 44 45	18 15 44
13	19 52 07	21 39 16	23 45 06	2 01 27	4 16 16	6 27 10	8 39 19	10 55 33	13 09 23	15 05 18	16 47 54	18 18 44
14	19 55 25	21 43 12	23 49 33	2 06 02	4 20 40	6 31 31	8 43 47	11 00 18	13 13 36	15 11 12	16 50 59	18 21 44
15	19 58 44	21 47 07	23 54 01	2 10 35	4 25 04	6 35 52	8 48 17	11 04 52	13 17 50	15 14 47	16 54 06	18 24 45
16	20 02 04	21 51 04	23 58 30	2 15 09	4 29 28	6 40 13	8 52 46	11 09 26	13 22 02	15 18 21	16 57 11	18 27 46
17	20 05 24	21 55 01	00 02 59	2 19 43	4 33 52	6 44 34	8 57 15	11 14 00	13 26 27	15 21 55	17 00 16	18 30 47
18	20 08 46	21 59 01	00 07 29	2 24 15	4 38 15	6 48 57	9 01 45	11 18 33	13 30 23	15 25 25	17 03 20	18 33 48
19	20 12 09	22 03 02	00 11 59	2 28 47	4 42 39	6 53 18	9 06 18	11 23 05	13 34 32	15 28 55	17 05 26	18 36 49
20	20 15 33	22 07 04	00 16 30	2 33 20	4 47 01	6 57 40	9 10 48	11 27 39	13 38 40	15 32 34	17 09 29	18 39 51
21	20 18 59	22 11 07	00 21 01	2 37 52	4 51 24	7 02 02	9 15 20	11 32 10	13 42 45	15 35 52	17 12 33	18 42 52
22	20 22 25	22 15 11	00 25 33	2 42 24	4 55 45	7 06 25	9 19 52	11 36 43	13 46 51	15 39 19	17 15 35	18 45 55
23	20 25 51	22 19 15	00 30 05	2 46 56	5 00 08	7 10 48	9 24 24	11 41 16	13 50 57	15 42 46	17 18 37	18 48 58
24	20 29 20	22 23 24	00 34 38	2 51 27	5 04 31	7 15 10	9 28 56	11 45 46	13 54 57	15 46 09	17 21 40	18 52 03
25	20 32 50	22 27 32	00 39 10	2 55 58	5 08 53	7 19 33	9 33 29	11 50 16	13 58 59	15 49 32	17 24 42	18 55 06
26	20 36 20	22 31 42	00 43 44	3 00 28	5 13 14	7 23 56	9 38 02	11 54 46	14 02 59	15 52 55	17 27 43	18 58 11
27	20 39 40	22 35 52	00 48 18	3 04 58	5 17 35	7 28 19	9 42 35	11 59 16	14 06 59	15 56 18	17 30 44	19 01 16
28	20 43 26	22 40 04	00 52 51	3 09 28	5 21 57	7 32 44	9 47 08	12 03 45	14 10 55	15 59 36	17 33 45	19 04 21
29	20 47 00	22 44 17	00 57 25	3 13 58	5 26 18	7 37 08	9 51 42	12 03 12	14 14 51	16 02 55	17 36 46	19 07 27
30	20 50 36	22 48 31	01 01 59	3 18 27	5 30 39	7 41 32	9 56 16	12 12 40	14 18 45	16 06 14	17 39 46	19 10 34

Table of Ascendant for Latitude 24th degree North

Table - 3

Deg	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H M S	Kumbha H M S	Meena H M S
0	19 09 49	20 48 59	22 46 26	1 00 05	3 17 17	5 30 26	7 42 18	9 57 53	12 14 45	14 20 39	16 07 24	17 39 59
1	19 12 54	20 52 34	22 50 41	1 04 41	3 21 49	5 34 49	7 46 44	10 02 28	12 19 12	14 24 32	16 10 40	17 42 47
2	19 16 00	20 56 11	22 54 57	1 09 16	3 26 18	5 39 12	7 51 11	10 07 03	12 23 39	14 28 22	16 13 54	17 45 56
3	19 19 06	20 59 48	22 59 13	1 13 55	3 30 47	5 43 35	7 55 38	10 11 38	12 27 56	14 32 12	16 17 08	17 48 55
4	19 22 14	21 03 29	23 03 33	1 18 28	3 35 17	5 47 58	8 00 06	10 16 15	12 32 29	14 36 00	16 20 20	17 51 51
5	19 25 23	21 07 09	23 07 52	1 23 04	3 39 47	5 52 20	8 04 33	10 20 51	12 36 53	14 39 47	16 23 32	17 54 49
6	19 28 32	21 10 52	23 12 12	1 27 40	3 44 16	5 56 43	8 09 01	10 25 27	12 41 15	14 43 33	16 26 44	17 57 47
7	19 31 41	21 14 35	23 16 32	1 32 16	3 48 45	6 01 06	8 13 29	10 30 03	12 45 37	14 47 19	16 29 56	18 00 45
8	19 34 52	21 18 20	23 20 56	1 36 52	3 53 13	6 05 28	8 17 59	10 34 38	12 49 58	14 51 00	16 33 03	18 03 42
9	19 38 03	21 22 06	23 25 19	1 41 27	3 57 41	6 09 51	8 22 28	10 39 14	12 54 18	14 54 41	16 36 12	18 06 40
10	19 41 16	21 25 54	23 29 43	1 46 03	4 02 08	6 14 14	8 26 57	10 43 50	12 58 37	14 58 21	16 39 19	18 09 38
11	19 44 29	21 29 43	23 34 08	1 50 39	4 06 16	6 18 37	8 31 27	10 48 26	13 02 54	15 02 00	16 42 27	18 12 35
12	19 47 43	21 33 33	23 38 34	1 55 14	4 11 03	6 22 59	8 35 57	10 53 01	13 07 11	15 05 37	16 45 33	18 15 33
13	19 50 57	21 37 23	23 43 00	1 59 49	4 15 50	6 27 21	8 40 27	10 57 36	13 11 28	15 09 14	16 48 39	18 18 31
14	19 54 14	21 41 17	23 47 29	2 04 25	4 19 56	6 31 46	8 44 59	11 02 12	13 15 41	15 12 49	16 51 44	18 21 30
15	19 57 31	21 45 12	23 51 57	2 09 00	4 24 22	6 36 09	8 49 30	11 06 47	13 19 54	15 16 22	16 54 48	18 24 28
16	20 00 49	21 49 08	23 56 26	2 13 35	4 28 48	6 40 32	8 54 01	11 11 22	13 24 06	15 19 54	16 57 52	18 27 27
17	20 04 07	21 52 54	00 00 55	2 18 10	4 33 14	6 44 55	8 58 32	11 15 57	13 28 18	15 23 26	17 00 56	18 30 26
18	20 07 28	21 57 03	00 05 26	2 22 45	4 37 38	6 49 19	9 03 05	11 20 31	13 32 26	15 26 56	17 03 58	18 33 25
19	20 10 49	22 01 03	00 09 59	2 27 19	4 42 04	6 53 43	9 07 38	11 25 05	13 36 35	15 30 24	17 07 01	18 36 25
20	20 14 12	22 05 04	00 14 28	2 31 53	4 46 29	6 58 06	9 12 10	11 29 38	13 40 42	15 33 51	17 10 02	18 39 25
21	20 17 35	22 09 06	00 19 00	2 36 27	4 50 53	7 02 31	9 16 43	11 34 11	13 44 47	15 37 18	17 13 04	18 42 25
22	20 21 00	22 13 10	00 23 32	2 41 00	4 55 17	7 06 55	9 21 17	11 38 44	13 48 52	15 40 43	17 16 05	18 45 56
23	20 24 25	22 17 14	00 28 04	2 45 33	4 59 41	7 11 19	9 25 51	11 43 17	13 52 57	15 44 08	17 19 05	18 48 27
24	20 27 52	22 21 22	00 32 38	2 50 06	5 04 06	7 15 44	9 30 24	11 47 48	13 56 57	15 47 30	17 22 05	18 51 38
25	20 31 20	22 25 29	00 37 12	2 54 39	5 08 29	7 20 09	9 34 58	11 52 19	14 00 57	15 50 51	17 25 05	18 54 31
26	20 34 49	22 29 38	00 41 46	2 59 11	5 12 53	7 24 34	9 39 33	11 56 56	14 04 56	15 54 12	17 28 04	18 57 33
27	20 38 18	22 33 47	00 46 20	3 03 43	5 17 17	7 28 59	9 44 08	12 01 21	14 08 55	15 57 33	17 31 03	19 00 35
28	20 41 52	22 38 00	00 50 56	3 08 15	5 21 40	7 33 25	9 48 42	12 05 49	14 12 51	16 00 50	17 34 02	19 03 40
29	20 45 25	22 42 12	00 55 30	3 12 46	5 26 03	7 37 51	9 53 17	12 10 17	14 16 46	16 04 08	17 37 01	19 06 44
30	20 48 59	22 46 26	01 00 05	3 17 17	5 30 26	7 42 18	9 57 53	12 14 45	14 20 39	16 07 24	17 39 59	19 09 49

Table of Ascendant for Latitude 25th degree North

Table – 3

Deg	Mesha H.M.S.	Vrishabha H M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 09 02	20 47 20	22 44 19	0 58 10	3 16 05	5 30 12	7 43 04	9 59 31	12 16 52	14 22 35	16 08 36	17 40 13
1	19 12 06	20 50 54	22 48 34	1 02 46	3 20 38	5 34 37	7 47 32	10 04 08	12 21 20	14 26 26	16 11 49	17 43 09
2	19 15 10	20 54 30	22 52 49	1 07 23	3 25 10	5 39 02	7 52 01	10 08 45	12 25 46	14 30 16	16 15 02	17 46 05
3	19 18 14	20 58 06	22 57 04	1 12 00	3 29 42	5 43 27	7 56 30	10 13 22	12 30 12	14 34 06	16 18 15	17 49 01
4	19 21 20	21 01 44	23 01 25	1 16 37	3 34 13	5 47 52	8 00 59	10 17 59	12 34 37	14 37 52	16 21 25	17 51 57
5	19 24 27	21 05 24	23 05 44	1 21 14	3 38 44	5 52 17	8 05 29	10 22 36	12 39 01	14 41 37	16 24 35	17 54 53
6	19 27 34	21 09 05	23 10 04	1 25 51	3 43 15	5 56 41	8 09 59	10 27 14	12 43 24	14 45 22	16 27 44	17 57 48
7	19 30 41	21 12 46	23 14 24	1 30 28	3 47 46	6 01 05	8 14 29	10 31 52	12 47 47	14 49 07	16 30 53	18 00 43
8	19 33 51	21 16 30	23 18 48	1 35 05	3 52 16	6 05 31	8 19 00	10 36 28	12 52 06	14 52 46	16 34 00	18 03 40
9	19 37 00	21 20 15	23 23 11	1 39 42	3 56 46	6 09 56	8 23 13	10 41 05	12 56 26	14 56 26	16 37 06	18 06 35
10	19 40 11	21 24 02	23 27 35	1 44 19	4 01 15	6 14 20	8 28 02	10 45 42	13 00 45	15 00 05	16 40 12	18 09 31
11	19 43 22	21 27 49	23 32 01	1 48 56	4 05 45	6 18 45	8 32 34	10 50 19	13 05 02	15 03 42	16 43 18	18 12 27
12	19 46 34	21 31 39	23 36 27	1 53 33	4 10 13	6 23 10	8 37 06	10 54 55	13 09 19	15 07 18	16 46 22	18 15 23
13	19 49 46	21 35 29	23 40 53	1 58 10	4 14 41	6 27 35	8 41 38	10 59 31	13 13 36	15 10 54	16 49 26	18 18 19
14	19 53 02	21 39 21	23 45 22	2 02 47	4 19 10	6 32 00	8 46 11	11 04 08	13 17 48	15 14 27	16 52 29	18 21 15
15	19 56 17	21 43 15	23 49 50	2 07 24	4 23 38	6 36 25	8 50 44	11 08 44	13 22 01	15 17 59	16 55 32	18 24 12
16	19 59 33	21 47 09	23 54 19	2 12 00	4 28 05	6 40 51	8 55 17	11 13 20	13 26 12	15 21 29	16 58 34	18 27 09
17	20 02 51	21 51 03	23 58 48	2 16 36	4 32 34	6 45 17	8 59 40	11 17 46	13 30 23	15 24 59	17 01 36	18 30 06
18	20 06 09	21 55 03	00 03 21	2 21 13	4 37 01	6 49 41	9 04 25	11 22 31	13 34 31	15 28 27	17 04 36	18 33 03
19	20 09 28	21 59 02	00 07 52	2 25 48	4 41 28	6 54 07	9 08 59	11 27 06	13 38 39	15 31 54	17 07 36	18 36 00
20	20 12 49	22 03 02	00 12 24	2 30 24	4 45 55	6 58 33	9 13 33	11 31 40	13 42 46	15 35 20	17 10 36	18 38 58
21	20 16 11	22 07 04	00 16 56	2 35 00	4 50 22	7 02 59	9 18 08	11 36 14	13 46 51	15 38 45	17 13 35	18 41 57
22	20 19 34	22 11 07	00 21 29	2 39 35	4 54 48	7 07 25	9 22 43	11 40 47	13 50 54	15 42 08	17 16 34	18 44 55
23	20 22 57	22 15 10	00 26 02	2 44 01	4 59 14	7 11 51	9 27 18	11 45 20	13 54 57	15 45 31	17 19 33	18 47 53
24	20 26 23	22 19 17	00 30 37	2 48 44	5 03 40	7 16 18	9 31 54	11 49 52	13 58 58	15 48 52	17 22 31	18 50 54
25	20 29 49	22 23 24	00 35 12	2 53 18	5 08 06	7 20 45	9 36 29	11 54 24	14 02 57	15 52 12	17 25 29	18 53 54
26	20 33 17	22 27 33	00 39 47	2 57 53	5 12 31	7 25 13	9 41 05	11 58 55	14 06 56	15 55 31	17 28 26	18 56 55
27	20 36 45	22 31 42	00 44 22	3 02 28	5 16 56	7 29 41	9 45 41	12 03 26	14 10 55	15 58 50	17 31 23	18 59 56
28	20 40 16	22 35 53	00 48 58	3 07 00	5 21 22	7 34 08	9 50 18	12 07 55	14 14 48	16 02 05	17 34 20	19 02 57
29	20 43 47	22 40 06	00 53 34	3 11 33	5 25 47	7 38 36	9 54 55	12 12 24	14 18 42	16 05 21	17 37 16	19 06 00
30	20 47 20	22 44 19	00 58 10	3 16 05	5 30 12	7 43 04	9 59 31	12 16 52	14 22 35	16 08 36	17 40 13	19 09 02

Table of Ascendant for Latitude 26th degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishabha H M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S	Meena. H.M.S.
0	19 08 15	20 45 40	22 42 10	0 56 12	3 14 53	5 29 59	7 43 51	10 01 12	12 19 02	14 24 33	16 09 48	17 40 26
1	19 11 17	20 49 12	22 46 24	1 00 50	3 19 27	5 34 26	7 48 21	10 05 50	12 23 30	14 28 23	16 13 00	17 43 21
2	19 14 19	20 52 46	22 50 39	1 05 28	3 24 01	5 38 53	7 52 52	10 10 28	12 27 56	14 32 12	16 16 11	17 46 15
3	19 17 21	20 56 20	22 54 54	1 10 06	3 28 35	5 43 20	7 57 23	10 15 06	12 32 22	14 36 01	16 19 22	17 49 09
4	19 20 26	20 59 58	22 59 14	1 14 43	3 33 08	5 47 46	8 01 54	10 19 46	12 36 47	14 39 45	16 22 30	17 52 02
5	19 23 30	21 03 36	23 03 33	1 19 22	3 37 41	5 52 13	8 06 26	10 24 24	12 41 11	14 43 29	16 25 38	17 54 56
6	19 26 35	21 07 16	23 07 53	1 24 01	3 42 14	5 56 40	8 10 58	10 29 02	12 45 34	14 47 12	16 28 45	17 57 50
7	19 29 40	21 11 56	23 12 13	1 28 40	3 46 47	6 01 07	8 15 30	10 33 40	12 49 57	14 50 55	16 31 52	18 00 44
8	19 32 48	21 14 39	23 16 37	1 33 17	3 51 17	6 05 33	8 20 03	10 38 19	12 54 17	14 54 34	16 34 58	18 03 37
9	19 35 56	21 18 23	23 21 01	1 37 56	3 55 50	6 10 00	8 24 36	10 42 57	12 58 36	14 58 13	16 38 02	18 06 31
10	19 39 04	21 22 08	23 25 25	1 42 34	4 00 22	6 14 27	8 29 09	10 47 16	13 02 55	15 01 50	16 41 06	18 09 24
11	19 42 14	21 25 55	23 29 51	1 47 12	4 04 53	6 18 54	8 33 42	10 52 14	13 07 12	15 05 26	16 44 10	18 12 18
12	19 45 24	21 29 43	23 33 17	1 51 50	4 09 23	6 23 21	8 38 16	10 56 52	13 11 28	15 09 10	16 47 11	18 51 12
13	19 48 34	21 33 31	23 38 14	1 56 28	4 13 53	6 27 48	8 42 50	11 01 30	13 15 44	15 12 36	16 50 12	18 18 06
14	19 51 48	21 37 23	23 43 12	2 01 08	4 18 25	6 32 15	8 47 25	11 06 07	13 19 57	15 16 06	16 53 15	18 21 01
15	19 55 02	21 41 15	23 47 41	2 05 46	4 22 55	6 36 42	8 51 59	11 10 44	13 24 13	15 19 36	16 56 16	18 23 55
16	19 58 16	21 45 09	23 52 11	2 10 24	4 27 24	6 41 10	8 56 34	11 15 20	13 28 21	15 23 06	16 59 16	18 26 50
17	20 01 30	21 49 03	23 56 41	2 15 02	4 31 53	6 45 28	9 01 09	11 19 56	13 32 29	15 26 36	17 02 16	18 29 45
18	20 04 48	21 53 01	00 01 13	2 19 29	4 36 23	6 50 04	9 05 45	11 24 33	13 36 39	15 30 01	17 05 14	18 32 40
19	20 08 06	21 56 59	00 05 45	2 24 17	4 40 52	6 54 32	9 10 21	11 29 09	13 40 46	15 33 36	17 08 12	18 35 35
20	20 11 25	22 00 59	00 10 17	2 28 54	4 45 21	6 59 00	9 14 57	11 33 44	13 44 52	15 36 50	17 11 10	18 38 31
21	20 14 45	22 05 00	00 14 51	2 33 31	4 49 50	7 03 28	9 19 33	11 38 18	13 48 56	15 40 13	17 14 07	18 41 28
22	20 18 06	22 09 02	00 19 25	2 38 08	4 54 18	7 07 56	9 24 10	11 42 52	13 52 59	15 43 35	17 17 04	18 44 25
23	20 21 27	22 13 14	00 23 59	2 42 45	4 58 46	7 12 24	9 28 47	11 47 26	13 57 02	15 46 57	17 20 01	18 47 22
24	20 24 52	22 17 11	00 28 34	2 47 21	5 03 14	7 16 53	9 33 25	11 51 59	14 01 01	15 50 15	17 22 57	18 50 19
25	20 28 17	22 21 17	00 33 09	2 51 57	5 07 42	7 21 22	9 38 02	11 56 31	14 05 00	15 53 33	17 25 53	18 53 17
26	20 31 43	22 25 25	00 37 45	2 56 33	5 12 10	7 25 52	9 42 20	12 01 03	14 08 58	15 56 50	17 28 48	11 56 16
27	20 35 09	22 29 33	00 42 21	3 01 09	5 16 38	7 30 22	9 47 18	12 05 35	14 12 56	16 00 07	17 31 43	18 59 15
28	20 38 38	22 33 45	00 46 58	3 05 43	5 21 04	7 34 51	9 51 55	12 10 04	14 16 48	16 03 21	17 34 38	19 02 14
29	20 42 08	22 37 57	00 51 35	3 10 18	5 25 32	7 39 21	9 56 33	12 14 34	14 20 41	16 06 35	17 37 32	19 05 15
30	20 45 40	22 42 10	00 56 12	3 14 53	5 29 59	7 43 51	10 01 12	12 19 02	14 24 33	16 09 48	17 40 26	19 08 15

Table of Ascendant for Latitude 27th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 07 28	20 43 57	22 39 58	0 54 12	3 13 39	5 29 45	7 44 38	10 02 54	12 21 14	14 26 33	16 11 02	17 40 41
1	19 10 27	20 47 28	22 44 12	0 58 51	3 18 15	5 34 14	7 49 11	10 07 34	12 25 42	14 30 22	16 14 12	17 43 33
2	19 13 27	20 51 11	22 48 27	1 03 29	3 22 51	5 38 43	7 53 44	10 12 14	12 30 09	14 34 09	16 17 21	17 46 25
3	19 16 27	20 54 34	22 52 42	1 08 07	3 27 27	5 43 12	7 58 17	10 16 54	12 34 36	14 37 56	16 20 30	17 49 17
4	19 19 30	20 58 10	22 57 01	1 12 48	3 32 01	5 47 41	8 02 50	10 21 34	12 39 00	14 41 40	16 23 36	17 52 08
5	19 22 32	21 01 47	23 01 20	1 17 27	3 36 36	5 52 10	8 07 24	10 26 13	12 43 24	14 45 24	16 26 43	17 55 00
6	19 25 36	21 05 25	23 05 40	1 22 07	3 41 11	5 56 38	8 11 57	10 30 53	12 47 47	14 49 05	16 29 48	17 57 51
7	19 28 40	21 09 03	23 10 00	1 26 47	3 45 46	6 01 06	8 16 20	10 35 33	12 52 10	14 52 46	16 32 53	18 00 42
8	19 31 45	21 12 46	23 14 24	1 31 27	3 50 20	6 05 36	8 21 06	10 40 13	12 56 30	14 56 24	16 35 56	18 03 34
9	19 34 50	21 16 28	23 18 48	1 36 06	3 54 53	6 10 05	8 25 41	10 44 52	13 00 49	15 00 02	16 38 59	18 06 26
10	19 37 57	21 20 12	23 23 12	1 40 47	3 59 27	6 14 34	8 30 16	10 49 32	13 05 08	15 03 38	16 42 01	18 09 18
11	19 41 05	21 23 57	23 27 38	1 45 26	4 04 00	6 19 03	8 34 51	10 54 11	12 09 25	15 07 12	16 45 02	18 12 02
12	19 44 13	21 27 44	23 32 04	1 50 06	4 08 33	6 23 32	8 39 27	10 58 50	13 13 41	15 10 45	16 48 03	18 15 01
13	19 47 21	21 31 31	23 36 30	1 54 46	4 13 06	6 28 01	8 44 03	11 03 29	13 17 57	15 14 18	16 51 04	18 17 53
14	19 50 33	21 35 22	23 41 00	1 59 26	4 17 38	6 32 30	8 48 39	11 08 07	13 22 09	15 17 48	16 54 02	18 20 45
15	19 53 45	21 39 14	23 45 30	2 04 06	4 22 10	6 36 59	8 53 16	11 12 45	13 26 21	15 21 17	16 57 00	18 23 38
16	19 56 57	21 43 06	23 50 00	2 08 45	4 26 41	6 41 29	8 57 53	11 17 23	13 30 32	15 24 44	16 59 58	18 26 30
17	20 00 09	21 46 58	23 54 30	2 13 24	4 31 12	6 45 59	9 02 30	11 22 01	13 34 43	15 28 11	17 02 56	18 29 02
18	20 03 26	21 50 56	23 59 03	2 18 04	4 35 44	6 50 28	9 07 08	11 26 38	13 38 49	15 31 36	17 05 52	18 32 16
19	20 06 42	21 54 54	00 03 36	2 22 43	4 40 15	6 54 58	9 11 45	11 31 14	13 42 56	15 34 59	17 08 49	18 35 10
20	20 09 59	21 58 52	00 08 09	2 27 22	4 44 46	6 59 28	9 16 23	11 35 50	13 47 01	15 38 22	17 11 45	18 38 04
21	20 13 18	22 02 53	00 12 43	2 32 01	4 49 17	7 03 58	9 21 01	11 40 25	13 51 05	15 41 43	17 14 40	18 40 58
22	20 16 37	22 06 54	00 17 17	2 36 39	4 53 47	7 08 28	9 25 40	11 45 00	13 55 07	15 45 03	17 17 35	18 43 53
23	20 19 56	22 10 55	00 21 51	2 41 17	4 58 11	7 12 58	9 30 18	11 49 35	13 59 09	15 48 23	17 20 35	18 46 48
24	20 23 19	22 15 02	00 26 28	2 45 50	5 02 48	7 17 29	9 34 57	11 54 08	14 03 07	15 51 40	17 23 23	18 49 43
25	20 26 42	22 19 08	00 31 04	2 50 34	5 07 17	7 22 00	9 39 36	11 58 41	14 07 05	15 54 56	17 26 17	18 52 39
26	20 30 07	22 23 15	00 35 40	2 55 11	5 11 47	7 26 31	9 44 16	12 03 13	14 11 01	15 58 12	17 29 10	18 55 36
27	20 33 32	22 27 22	00 40 18	2 59 48	5 16 17	7 31 02	9 48 56	12 07 45	14 14 57	16 01 28	17 32 03	18 58 33
28	20 36 59	22 31 34	00 44 56	3 04 26	5 20 46	7 35 34	9 53 34	12 12 15	14 18 50	16 04 39	17 34 56	19 01 31
29	20 40 28	22 35 45	00 49 34	3 09 02	5 25 15	7 40 06	9 58 14	12 16 45	14 22 42	16 07 51	17 37 48	19 04 29
30	20 43 57	22 39 58	00 54 12	3 13 39	5 29 45	7 44 38	10 02 54	12 21 14	14 26 33	16 11 02	17 40 41	19 07 28

Table of Ascendant for Latitude 28th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha HMS.	Meena H.M S
0	19 06 39	20 42 13	22 37 43	0 52 09	3 12 23	5 29 30	7 45 27	10 04 38	12 23 28	14 28 35	16 12 18	17 40 55
1	19 09 36	20 45 43	22 41 57	0 56 49	3 17 01	5 34 02	7 50 02	10 09 20	12 27 57	14 32 23	16 15 26	17 43 45
2	19 12 35	20 49 14	22 46 12	1 01 29	3 21 39	5 38 33	7 54 37	10 14 01	12 32 24	14 36 10	16 18 33	17 46 35
3	19 15 34	20 52 45	22 50 27	1 06 09	3 26 17	5 43 04	7 59 12	10 18 42	12 36 51	14 39 53	16 21 40	17 49 25
4	19 18 33	20 56 20	22 54 46	1 10 50	3 30 54	5 47 35	8 03 47	10 23 24	12 41 16	14 43 38	16 24 44	17 52 14
5	19 21 34	20 59 55	22 59 04	1 15 31	3 35 31	5 52 05	8 08 22	10 28 05	12 45 40	14 47 20	16 27 48	17 55 04
6	19 24 35	21 03 32	23 03 35	1 20 12	3 40 07	5 56 37	8 12 58	10 32 46	12 50 03	14 51 00	16 30 52	17 57 53
7	19 27 36	21 07 09	23 07 46	1 24 53	3 44 43	6 01 08	8 17 34	10 37 27	12 54 26	14 54 40	16 33 56	18 00 42
8	19 30 40	21 10 50	23 12 08	1 29 35	3 49 20	6 05 39	8 22 11	10 42 08	12 58 46	14 58 17	16 36 56	18 03 32
9	19 33 44	21 14 31	23 16 32	1 34 16	3 53 56	6 10 10	8 26 48	10 46 49	13 03 05	15 01 52	16 39 57	18 06 21
10	19 36 48	21 18 14	23 20 57	1 38 57	3 58 31	6 14 41	8 31 25	10 51 30	13 07 23	15 05 27	16 42 57	18 09 10
11	19 39 54	21 21 58	23 25 23	1 43 38	4 03 06	6 19 12	8 36 02	10 56 10	13 11 40	15 09 00	16 45 56	18 12 00
12	19 43 01	21 25 43	23 29 49	1 48 20	4 07 41	6 23 43	8 40 40	11 00 50	13 15 56	15 12 32	16 48 55	18 14 50
13	19 46 08	21 29 28	23 34 15	1 53 12	4 12 16	6 28 14	8 45 34	11 05 30	13 20 07	15 16 04	16 51 54	18 17 40
14	19 49 17	21 33 19	23 38 46	1 57 43	4 16 50	6 32 45	8 49 56	11 10 10	13 24 23	15 19 31	16 54 50	18 20 30
15	19 52 26	21 37 10	23 43 16	2 02 24	4 21 24	6 37 17	8 54 34	11 14 49	13 28 35	15 22 58	16 57 46	18 23 20
16	19 55 37	21 41 01	23 47 46	2 07 05	4 25 58	6 41 48	8 59 13	11 19 28	13 32 45	15 26 25	17 00 42	18 26 11
17	19 58 48	21 44 52	23 52 16	2 11 46	4 30 22	6 46 19	9 03 52	11 24 07	13 37 05	15 29 52	17 03 38	18 29 02
18	20 02 02	21 48 50	23 56 50	2 16 27	4 35 05	6 50 52	9 03 31	11 28 44	13 41 01	15 33 13	17 06 32	18 31 53
19	20 05 16	21 52 46	00 01 24	2 21 08	4 39 38	6 55 23	9 13 11	11 33 22	13 45 07	15 36 35	17 09 26	18 34 44
20	20 08 31	21 56 44	00 05 58	2 25 49	4 44 11	6 59 55	9 17 51	11 37 59	13 49 12	15 39 55	17 12 20	18 37 36
21	20 11 48	22 00 43	00 10 32	2 30 29	4 48 44	7 04 27	9 22 31	11 42 35	13 53 15	15 43 15	17 15 13	18 40 28
22	20 15 05	22 04 44	00 15 07	2 35 09	4 53 16	7 09 00	9 27 11	11 47 10	13 57 17	15 46 33	17 18 06	18 43 21
23	20 18 24	22 08 45	00 19 42	2 39 49	4 57 48	7 13 33	9 31 51	11 51 45	14 01 19	15 49 51	17 20 53	18 46 54
24	20 21 45	22 12 50	00 24 20	2 44 29	5 02 21	7 18 05	9 36 32	11 56 20	14 05 15	15 53 06	17 23 50	18 49 07
25	20 25 06	22 16 55	00 28 57	2 49 09	5 06 53	7 22 38	9 41 12	12 00 53	14 09 12	15 56 21	17 26 42	18 52 01
26	20 28 29	22 21 02	00 33 35	2 53 48	5 11 24	7 27 12	9 45 53	12 05 26	14 13 08	15 59 35	17 29 33	18 54 55
27	20 31 52	22 25 09	00 38 13	2 58 27	5 15 55	7 31 46	9 50 34	12 09 59	14 16 54	16 02 59	17 32 24	18 57 59
28	20 35 18	22 29 20	00 42 51	3 03 06	5 20 28	7 36 19	9 55 15	12 14 29	14 20 55	16 05 58	17 35 14	19 00 46
29	20 38 45	22 33 31	00 47 30	3 07 45	5 24 59	7 40 53	9 59 56	12 18 59	14 24 46	16 09 08	17 38 05	19 03 42
30	20 42 13	22 37 43	00 52 09	3 12 23	5 29 30	7 45 27	10 04 38	12 23 28	14 28 35	16 12 18	17 40 55	19 06 39

Table of Ascendant for Latitude 29th degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H M S	Kumbha H.M.S.	Meena H.M.S.
0	19 06 06	20 41 03	22 36 12	0 50 46	3 11 32	5 29 21	7 46 00	10 05 49	12 25 00	14 29 58	16 13 09	17 41 05
1	19 09 02	20 44 31	22 40 25	0 55 27	3 16 12	5 33 53	7 50 36	10 10 31	12 29 28	14 33 45	16 16 16	17 43 53
2	19 11 59	20 48 01	22 44 40	1 00 08	3 20 51	5 38 26	7 55 12	10 15 14	12 33 56	14 37 31	16 19 21	17 46 42
3	19 14 56	20 51 31	22 48 55	1 04 49	3 25 30	5 42 49	7 59 48	10 19 59	12 38 24	14 41 17	16 22 26	17 49 31
4	19 17 55	20 55 05	22 53 14	1 09 30	3 30 08	5 47 31	8 04 25	10 24 38	12 42 48	14 44 58	16 25 30	17 52 18
5	19 20 54	20 58 39	22 57 32	1 14 12	3 34 46	5 52 03	8 09 02	10 29 21	12 47 12	14 48 39	16 28 33	17 55 56
6	19 23 54	21 02 15	23 01 53	1 18 54	3 39 24	5 56 36	8 13 39	10 34 03	12 51 35	14 52 18	16 31 35	17 57 54
7	19 26 54	21 05 51	23 06 14	1 23 36	3 44 12	6 01 09	8 18 16	10 38 47	12 55 58	14 55 57	16 34 37	17 59 52
8	19 29 56	21 09 31	23 10 36	1 28 28	3 48 39	6 05 41	8 22 55	10 43 27	13 00 18	14 59 33	16 37 37	18 03 30
9	19 32 58	21 13 12	23 15 00	1 33 01	3 53 17	6 10 13	8 27 33	10 48 09	13 04 37	15 03 08	16 40 36	18 06 18
10	19 36 02	21 16 53	23 19 25	1 37 43	3 57 53	6 14 45	8 32 11	10 52 50	13 08 55	15 06 41	16 43 34	18 09 06
11	19 39 05	21 20 37	23 23 51	1 42 25	4 02 30	6 19 18	8 36 50	10 57 32	13 13 12	15 10 13	16 46 32	18 11 54
12	19 42 11	21 24 22	23 28 18	1 47 07	4 07 06	6 23 50	8 41 29	11 02 12	13 17 28	15 13 44	16 49 30	18 14 13
13	19 45 16	21 28 07	23 32 45	1 51 49	4 11 42	6 28 22	8 46 08	11 06 52	13 21 44	15 17 15	16 52 58	18 16 32
14	19 48 25	21 31 56	23 37 15	1 56 33	4 16 18	6 32 56	8 50 47	11 11 33	13 25 55	15 20 41	16 55 22	18 20 20
15	19 51 34	21 35 46	23 41 45	2 01 15	4 20 53	6 37 19	8 55 27	11 16 13	13 30 06	15 24 07	16 58 17	18 23 09
16	19 54 43	21 39 37	23 46 16	2 05 57	4 25 28	6 42 01	9 00 07	11 20 53	13 34 16	15 27 32	17 01 11	18 25 58
17	19 57 12	21 43 18	23 50 47	2 10 39	4 29 53	6 46 33	9 04 47	11 25 33	13 38 26	15 30 57	17 04 15	18 28 47
18	20 01 05	21 47 23	23 55 20	2 15 22	4 34 38	6 51 08	9 09 28	11 30 10	13 42 31	15 34 19	17 06 59	18 31 37
19	20 04 18	21 51 19	23 59 54	2 20 03	4 39 13	6 55 41	9 14 09	11 34 48	13 46 37	15 37 39	17 09 51	18 34 27
20	20 07 32	21 55 17	00 04 28	2 24 45	4 43 47	7 00 14	9 18 50	11 39 26	13 50 41	15 40 59	17 12 44	18 37 17
21	20 10 48	21 59 15	00 09 03	2 29 27	4 48 21	7 04 48	9 23 31	11 44 03	13 54 44	15 44 17	17 15 36	18 40 08
22	20 14 04	22 03 16	00 13 39	2 34 08	4 52 55	7 09 22	9 28 12	11 48 39	13 58 54	15 47 34	17 18 27	18 42 59
23	20 17 20	22 07 17	00 18 15	2 38 49	4 57 29	7 13 56	9 32 53	11 53 15	14 02 46	15 50 51	17 21 18	18 45 50
24	20 20 41	22 11 21	00 22 53	2 43 31	5 02 02	7 18 30	9 37 36	11 57 49	14 06 42	15 54 05	17 24 08	18 48 42
25	20 24 01	22 15 26	00 27 30	2 48 12	5 06 36	7 23 05	9 42 18	12 02 23	14 10 39	15 57 18	17 26 58	18 51 35
26	20 27 23	22 19 32	00 32 09	2 52 52	5 11 09	7 27 39	9 47 00	12 06 56	14 14 34	16 00 31	17 29 48	18 54 28
27	20 30 45	22 23 38	00 36 48	2 57 32	5 15 42	7 32 13	9 51 42	12 11 29	14 18 29	16 03 44	17 32 38	18 57 21
28	20 34 10	22 27 40	00 41 27	3 02 13	5 20 15	7 36 49	9 56 24	12 16 00	14 22 19	16 06 52	17 35 27	19 00 16
29	20 37 36	22 32 00	00 46 07	3 06 53	5 24 48	7 41 25	10 01 06	12 20 30	14 26 09	16 10 01	17 38 16	19 03 11
30	20 41 03	22 36 12	00 50 46	3 11 32	5 29 21	7 46 00	10 05 49	12 25 00	14 29 58	16 13 09	17 41 05	19 06 06

Table of Ascendant for Latitude 30th degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H M S	Kumbha H.M.S.	Meena H.M,S.
0	19 04 59	20 38 38	22 33 05	0 47 57	3 09 48	5 29 01	7 47 07	10 08 13	12 28 07	14 32 48	16 14 53	17 41 24
1	19 07 52	20 42 05	22 37 18	0 52 39	3 14 30	5 33 36	7 51 46	10 12 58	12 32 36	14 36 33	16 17 57	17 44 10
2	19 10 46	20 45 33	22 41 33	0 57 22	3 19 12	5 38 12	7 56 25	10 17 42	12 37 03	14 40 17	16 21 00	17 46 56
3	19 13 40	20 49 01	22 45 48	1 02 15	3 23 54	5 42 48	8 01 04	10 22 26	12 41 37	14 44 01	16 24 03	17 49 42
4	19 16 36	20 52 33	22 50 06	1 06 47	3 28 34	5 47 23	8 05 44	10 27 11	12 45 56	14 47 41	16 27 03	17 52 26
5	19 19 33	20 56 05	22 54 24	1 11 31	3 33 15	5 51 58	8 10 23	10 31 55	12 50 20	14 51 20	16 30 04	17 55 11
6	19 22 30	20 59 39	22 58 44	1 16 15	3 37 56	5 56 34	8 15 03	10 36 39	12 54 44	14 54 58	16 33 03	17 57 56
7	19 25 27	21 03 13	23 03 04	1 20 59	3 42 37	6 01 10	8 19 43	10 41 23	12 59 08	14 58 36	16 36 02	18 00 41
8	19 28 26	21 06 51	23 07 28	1 25 43	3 47 17	6 05 44	8 24 24	10 46 07	13 03 26	15 02 09	16 38 59	18 03 26
9	19 31 26	21 10 29	23 11 52	1 30 27	3 51 57	6 10 19	8 29 05	10 50 51	13 07 45	15 05 41	16 41 56	18 06 11
10	19 34 27	21 14 10	23 16 17	1 35 11	3 56 36	6 14 55	8 33 46	10 55 34	13 12 03	15 09 13	16 44 51	18 08 56
11	19 37 29	21 17 51	23 20 43	1 39 55	4 01 15	6 19 31	8 38 27	11 00 17	13 16 20	15 12 43	16 47 47	18 11 41
12	19 40 31	21 21 34	23 25 10	1 44 40	4 05 55	6 24 06	8 43 09	11 05 00	13 20 35	15 16 11	16 50 41	18 14 27
13	19 43 33	21 25 17	23 29 37	1 49 25	4 10 35	6 28 41	8 47 41	11 09 43	13 24 50	15 19 39	16 53 35	18 17 13
14	19 46 40	21 29 06	23 34 09	1 54 10	4 15 12	6 33 17	8 52 33	11 14 24	13 29 01	15 23 04	16 56 28	18 19 59
15	19 49 45	21 32 54	23 38 39	1 58 54	4 19 50	6 37 53	8 57 15	11 19 05	13 33 12	15 26 28	16 59 20	18 22 44
16	19 52 52	21 36 43	23 43 11	2 03 38	4 24 28	6 42 28	9 01 58	11 23 46	13 37 21	15 29 51	17 02 12	18 25 31
17	19 55 59	21 40 32	23 47 43	2 08 22	4 29 06	6 47 03	9 06 41	11 28 27	13 41 30	15 33 14	17 05 04	18 28 18
18	19 59 09	21 44 28	23 52 17	2 13 07	4 33 44	6 51 40	9 11 24	11 33 06	13 45 35	15 36 33	17 07 52	18 31 04
19	20 02 20	21 48 22	23 56 51	2 17 52	4 38 21	6 56 17	9 16 07	11 37 46	13 49 40	15 39 51	17 10 43	18 33 51
20	20 05 31	21 52 18	00 01 26	2 22 36	4 42 58	7 00 53	9 20 51	11 42 24	13 53 43	15 43 08	17 13 33	18 36 38
21	20 08 44	21 56 16	00 06 02	2 27 20	4 47 35	7 05 30	9 25 34	11 47 02	13 57 45	15 46 24	17 16 21	18 39 26
22	20 11 58	22 00 15	00 10 39	2 32 04	4 52 12	7 10 06	9 30 18	11 51 39	14 01 45	15 49 39	17 19 10	18 42 14
23	20 15 12	22 04 14	00 15 16	2 36 48	4 56 49	7 14 42	9 35 02	11 56 16	14 05 45	15 52 54	17 21 59	18 45 02
24	20 18 30	22 08 18	00 19 55	2 41 31	5 01 25	7 19 20	9 39 46	12 00 51	14 09 40	15 56 05	17 24 45	18 47 51
25	20 21 48	22 12 22	00 24 34	2 46 15	5 06 02	7 23 57	9 44 30	12 05 26	14 13 35	15 59 16	17 27 33	18 50 41
26	20 25 07	22 16 27	00 29 14	2 50 58	5 10 38	7 28 35	9 49 15	12 10 00	14 17 29	16 02 25	17 30 20	18 53 32
27	20 28 26	22 20 32	00 33 54	2 55 41	5 15 14	7 33 13	9 53 50	12 14 34	14 21 23	16 05 33	17 33 07	18 56 23
28	20 31 50	22 24 43	00 38 34	3 00 23	5 19 50	7 37 52	9 58 44	12 19 05	14 25 12	16 08 41	17 35 52	18 59 14
29	20 35 13	22 28 54	00 43 15	3 05 06	5 24 25	7 42 29	10 03 29	12 23 36	14 29 01	16 11 48	17 38 39	19 02 06
30	20 38 38	22 33 05	00 47 57	3 09 48	5 29 01	7 47 07	10 08 13	12 28 07	14 32 48	16 14 53	17 41 24	19 04 59

Table of Ascendant for Latitude 31st degree North

Table – 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M S.	Meena H M S
0	19 04 07	20 36 47	22 30 41	0 45 46	3 08 28	5 28 46	7 47 59	10 10 03	12 30 30	14 34 58	16 16 13	17 41 40
1	19 06 58	20 40 12	22 34 54	0 50 29	3 13 12	5 33 24	7 52 39	10 14 50	12 34 59	14 38 42	16 19 15	17 44 24
2	19 09 50	20 43 38	22 39 08	0 55 13	3 17 56	5 38 04	7 57 20	10 19 36	12 39 27	14 42 25	16 22 16	17 47 06
3	19 12 42	20 47 04	22 43 22	0 59 57	3 22 40	5 42 44	8 02 01	10 24 22	12 43 55	14 46 08	16 25 17	17 49 48
4	19 15 36	20 50 35	22 47 40	1 04 42	3 27 22	5 47 17	8 06 43	10 29 08	12 48 20	14 49 45	16 28 15	17 52 32
5	19 18 30	20 54 06	22 51 59	1 09 27	3 32 06	5 51 54	8 11 25	10 33 54	12 52 45	14 53 24	16 31 13	17 55 15
6	19 21 25	20 57 39	22 56 19	1 14 12	3 36 48	5 56 32	8 16 07	10 38 39	12 57 08	14 57 00	16 34 11	17 57 58
7	19 24 20	21 01 12	23 00 39	1 18 57	3 41 30	6 01 10	8 20 40	10 43 24	13 01 31	15 00 36	16 37 09	18 00 41
8	19 27 17	21 04 47	23 05 03	1 23 43	3 46 13	6 05 47	8 25 32	10 48 10	13 05 50	15 04 08	16 40 03	18 03 24
9	19 30 14	21 08 24	23 09 27	1 28 28	3 50 55	6 10 25	8 30 15	10 52 55	13 10 10	15 07 39	16 42 57	18 06 06
10	19 33 13	21 12 03	23 13 52	1 33 14	3 55 37	6 15 02	8 34 58	10 57 40	13 14 27	15 11 09	16 45 51	18 08 49
11	19 36 13	21 15 43	23 18 18	1 38 00	4 00 18	6 19 40	8 39 42	11 02 24	13 18 44	15 14 37	16 48 44	18 11 32
12	19 39 14	21 19 25	23 22 46	1 42 46	4 05 00	6 24 17	8 44 26	11 07 08	13 22 59	15 18 04	16 51 36	18 14 15
13	19 42 15	21 23 07	23 27 14	1 47 32	4 09 42	6 28 54	8 49 10	11 11 52	13 27 14	15 21 31	16 54 28	18 16 58
14	19 45 15	21 26 54	23 31 45	1 52 19	4 14 21	6 33 33	8 53 54	11 16 34	13 31 24	15 24 54	16 57 18	18 19 42
15	19 48 22	21 30 31	23 36 16	1 57 05	4 19 02	6 38 11	8 58 38	11 21 17	13 35 34	15 28 16	17 00 08	18 22 26
16	19 51 27	21 34 30	23 40 48	2 01 51	4 23 41	6 42 49	9 03 23	11 25 59	13 39 43	15 31 37	17 02 58	18 25 10
17	19 54 32	21 38 29	23 45 20	2 06 37	4 28 20	6 47 27	9 08 08	11 30 41	13 43 52	15 34 58	17 05 48	18 27 54
18	19 57 40	21 42 12	23 49 55	2 11 24	4 33 02	6 52 06	9 12 53	11 35 21	13 47 56	15 38 15	17 08 36	18 30 39
19	20 00 48	21 46 05	23 54 30	2 16 10	4 37 42	6 56 44	9 17 38	11 40 01	13 52 00	15 41 32	17 11 23	18 33 23
20	20 03 58	21 50 00	23 59 05	2 20 56	4 42 21	7 01 23	9 22 23	11 44 41	13 56 00	15 44 47	17 14 10	18 36 08
21	20 07 09	21 53 57	00 03 42	2 25 42	4 47 00	7 06 01	9 27 99	11 49 20	14 00 04	15 48 01	17 16 57	18 38 53
22	20 10 21	21 57 56	00 08 20	2 30 28	4 51 39	7 10 40	9 31 55	11 53 58	14 04 03	15 51 14	17 19 43	18 41 40
23	20 13 33	22 01 55	00 12 58	2 35 14	4 56 18	7 15 19	9 36 41	11 58 36	14 08 02	15 54 27	17 22 29	18 44 27
24	20 16 49	22 05 57	00 17 38	2 39 59	5 00 57	7 19 59	9 41 26	12 03 11	14 11 56	15 57 36	17 25 14	18 47 14
25	20 20 05	22 10 01	00 22 18	2 44 44	5 05 35	7 24 38	9 46 12	12 07 47	14 15 51	16 00 45	17 27 59	18 50 01
26	20 23 23	22 14 06	00 26 58	2 49 29	5 10 14	7 29 18	9 50 58	12 12 21	14 19 44	16 03 53	17 30 44	18 52 49
27	20 26 41	22 18 12	00 31 38	2 54 14	5 14 52	7 33 58	9 55 44	12 16 55	14 23 37	16 07 01	17 33 29	18 55 37
28	20 30 02	22 22 20	00 36 29	2 58 59	5 19 30	7 38 38	10 00 31	12 21 28	14 27 24	16 10 05	17 36 12	18 58 27
29	20 33 24	22 26 30	00 41 03	3 03 43	5 24 08	7 43 18	10 05 17	12 25 59	14 31 12	16 13 09	17 38 56	19 01 17
30	20 36 47	22 30 41	00 45 46	3 08 28	5 28 46	7 47 59	10 10 03	12 30 30	14 34 58	16 16 13	17 41 40	19 04 07

Table of Ascendant for Latitude 32nd degree North

Table - 3

Deg.	Mesha H.M.S.	Vrishabha H.M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbha H.M.S.	Meena H.M.S.
0	19 03 14	20 34 54	22 28 14	0 43 33	3 07 06	5 28 30	7 48 52	10 11 57	12 32 57	14 37 12	16 17 35	17 41 55
1	19 06 03	20 38 17	22 32 26	0 48 18	3 11 52	5 33 10	7 53 35	10 16 45	12 37 27	14 40 55	16 20 35	17 44 36
2	19 08 53	20 41 41	22 36 40	0 53 03	3 16 38	5 37 50	7 58 18	10 21 33	12 41 56	14 44 36	16 23 34	17 47 17
3	19 11 43	20 45 05	22 40 54	0 57 48	3 21 24	5 42 30	8 03 01	10 26 21	12 46 25	14 48 17	16 26 33	17 49 58
4	19 14 34	20 48 35	22 45 13	1 02 34	3 26 09	5 47 10	8 07 45	10 31 08	12 50 49	14 51 54	16 29 29	17 52 38
5	19 17 26	20 52 04	22 49 31	1 07 20	3 30 54	5 51 50	8 12 29	10 35 56	12 55 13	14 55 31	16 32 25	17 55 19
6	19 20 19	20 55 35	22 53 51	1 12 07	3 35 39	5 56 30	8 17 14	10 40 43	12 59 37	14 59 06	16 35 20	17 58 00
7	19 23 02	20 59 06	22 58 15	1 16 54	3 40 24	6 01 10	8 21 59	10 45 30	13 04 01	15 02 41	16 37 35	18 01 41
8	19 26 08	21 02 41	23 02 35	1 21 40	3 45 08	6 05 50	8 26 43	10 50 17	13 08 19	15 06 11	16 41 07	18 03 21
9	19 29 03	21 06 17	23 06 59	1 26 28	3 49 53	6 10 30	8 31 28	10 55 03	13 12 38	15 09 41	16 44 00	18 06 01
10	19 31 59	21 09 54	23 11 24	1 31 15	3 54 37	6 15 10	8 36 13	10 59 49	13 16 56	15 13 36	16 46 51	18 08 42
11	19 34 57	21 13 33	23 15 51	1 36 03	3 59 20	6 19 50	8 40 59	11 04 35	13 21 12	15 16 36	16 49 42	18 11 23
12	19 37 55	21 17 14	23 20 18	1 40 51	4 04 04	6 24 30	8 45 45	11 09 20	13 25 27	15 20 01	16 52 32	18 14 03
13	19 40 53	21 20 55	23 24 45	1 45 39	4 08 48	6 29 10	8 50 31	11 14 05	13 29 42	15 23 26	16 55 22	18 16 43
14	19 43 56	21 24 40	23 29 18	1 50 27	4 13 30	6 33 50	8 55 17	11 18 49	13 33 51	15 26 47	16 58 10	18 19 26
15	19 46 57	21 28 26	23 33 39	1 55 15	4 18 12	6 38 30	9 00 03	11 23 23	13 38 01	15 30 08	17 00 58	18 22 07
16	19 50 00	21 32 13	23 38 22	2 00 03	4 22 55	6 43 10	9 04 50	11 28 16	13 42 10	15 33 27	17 03 45	18 24 49
17	19 53 03	21 36 00	23 43 05	2 04 51	4 27 28	6 47 50	9 09 37	11 32 49	13 46 19	15 36 50	17 06 32	18 27 31
18	19 56 09	21 39 53	23 47 30	2 09 39	4 32 19	6 52 31	9 14 24	11 37 40	13 50 21	15 40 01	17 09 18	18 30 13
19	19 59 16	21 43 46	23 52 06	2 14 27	4 37 01	6 57 12	9 19 11	11 42 22	13 54 25	15 43 16	17 12 03	18 32 55
20	20 02 24	21 47 40	23 56 43	2 19 15	4 41 43	7 01 53	9 23 58	11 47 02	13 58 27	15 46 30	17 14 48	18 35 38
21	20 05 32	21 51 36	00 01 20	2 24 02	4 46 24	7 06 34	9 28 46	11 51 52	14 02 27	15 49 42	17 17 32	18 38 22
22	20 08 43	21 55 34	00 05 59	2 28 50	4 51 05	7 11 15	9 33 34	11 56 21	14 06 25	15 52 53	17 20 16	18 41 05
23	20 11 54	21 59 32	00 10 38	2 33 38	4 55 40	7 15 56	9 38 22	12 01 00	10 10 23	15 56 04	17 23 00	18 43 48
24	20 15 07	22 03 34	00 15 18	2 38 25	5 00 28	7 20 38	9 43 09	12 05 36	14 14 17	15 59 11	17 25 43	18 46 34
25	20 18 21	22 07 37	00 19 59	2 43 13	5 05 08	7 25 20	9 47 57	12 10 12	14 18 10	16 02 17	17 28 26	18 49 20
26	20 21 37	22 11 41	00 24 40	2 48 00	5 09 49	7 30 02	9 52 45	12 14 47	14 22 02	16 05 23	17 31 08	18 52 05
27	20 24 53	22 15 45	00 29 21	2 52 47	5 14 30	7 34 44	9 57 33	12 19 22	14 25 54	16 08 29	17 33 50	18 54 50
28	20 28 13	22 19 54	00 34 06	2 57 33	5 19 10	7 39 26	10 02 21	12 23 54	14 29 41	16 11 31	17 36 32	18 57 39
29	20 31 33	22 24 03	00 38 49	3 02 20	5 23 50	7 44 09	10 07 09	12 28 26	14 33 27	16 14 34	17 39 14	19 00 26
30	20 34 54	22 28 14	00 43 33	3 07 06	5 28 30	7 48 52	10 11 57	12 32 57	14 37 12	16 17 35	17 41 55	19 03 14

TENTH HOUSE — For all places on the Earth

Table – 4

Deg.	Mesha H.M.S.	Vrishabna H M.S.	Mithuna H.M.S.	Kataka H.M.S.	Simha H.M.S.	Kanya H.M.S.	Thula H.M.S.	Vrischika H.M.S.	Dhanus H.M.S.	Makara H.M.S.	Kumbna H.M.S	Meena H.M.S.
0	1 26 03	3 23 26	5 30 36	7 40 22	9 42 20	11 35 13	13 26 03	15 23 26	17 30 36	19 40 22	21 42 20	23 35 13
1	1 29 49	3 27 31	5 34 57	7 44 36	9 46 14	11 38 53	13 29 49	15 27 31	17 34 57	19 44 36	21 46 14	23 38 53
2	1 33 36	3 31 37	5 39 18	7 48 49	9 50 06	11 42 34	13 33 36	15 31 37	17 39 18	19 48 49	21 50 06	23 42 34
3	1 37 23	3 35 43	5 43 39	7 53 02	9 53 58	11 46 15	13 37 22	15 35 43	17 43 39	19 53 02	21 53 58	23 46 15
4	1 41 10	3 39 52	5 48 01	7 57 14	9 57 49	11 49 54	13 41 10	15 39 52	17 48 01	19 57 14	21 57 49	23 49 54
5	1 44 58	3 44 00	5 52 22	8 01 26	10 01 40	11 53 35	13 44 58	15 44 00	17 52 22	20 01 26	22 01 40	23 53 35
6	1 48 47	3 48 09	5 56 44	8 05 36	10 05 30	11 57 15	13 48 47	15 48 09	17 56 44	20 05 36	22 05 30	23 57 15
7	1 52 36	3 52 18	6 01 06	8 09 46	10 09 20	12 00 55	13 52 36	15 52 18	18 01 06	20 09 46	22 09 20	00 00 55
8	1 56 25	3 56 29	6 05 27	8 13 56	10 13 08	12 04 35	13 56 25	15 56 29	18 05 27	20 13 56	22 13 08	00 04 35
9	2 00 16	4 00 40	6 09 49	8 18 04	10 16 56	12 08 15	14 00 16	16 00 40	18 09 49	20 18 04	22 16 56	00 08 15
10	2 04 07	4 04 52	6 14 10	8 22 12	10 20 44	12 11 56	14 04 07	16 04 52	18 14 10	20 22 12	22 20 44	00 11 56
11	2 07 58	4 09 04	6 18 31	8 26 19	10 24 31	12 15 36	14 07 58	16 09 04	18 18 31	20 26 19	22 24 31	00 15 36
12	2 11 50	4 13 17	6 22 53	8 30 26	10 28 18	12 19 16	14 11 50	16 13 17	18 22 53	20 30 26	22 28 18	00 19 16
13	2 15 42	4 17 30	6 27 15	8 34 33	10 32 05	12 22 56	14 15 42	16 17 30	18 27 15	20 34 33	22 32 07	00 23 02
14	2 19 36	4 21 45	6 31 35	8 38 37	10 35 50	12 26 38	14 19 36	16 21 45	18 31 35	20 38 37	22 35 50	00 26 38
15	2 23 30	4 25 59	6 35 55	8 42 41	10 39 35	12 30 19	14 23 30	16 25 59	18 35 55	20 42 41	22 39 35	00 30 19
16	2 27 25	4 30 15	6 40 16	8 46 45	10 43 20	12 34 00	14 27 25	16 30 15	18 40 16	20 46 45	22 43 20	00 34 00
17	2 31 20	4 35 01	6 44 37	8 50 49	10 47 05	12 37 41	14 31 20	16 34 31	18 44 37	20 50 49	22 47 05	00 37 41
18	2 35 17	4 38 47	6 48 56	8 54 50	10 50 48	12 41 22	14 35 17	16 38 47	18 48 56	20 54 50	22 50 48	00 41 23
19	2 39 13	4 43 04	6 53 16	8 58 51	10 54 32	12 45 04	14 39 13	16 43 04	18 53 16	20 58 51	22 54 32	00 45 04
20	2 43 11	4 47 21	6 57 35	9 02 52	10 58 15	12 48 46	14 43 11	16 47 21	18 57 35	21 02 52	22 58 15	00 48 46
21	2 47 09	4 51 39	7 01 54	9 06 52	11 01 58	12 52 28	14 47 09	16 51 39	19 01 54	21 06 52	23 01 58	00 52 28
22	2 51 08	4 55 57	7 06 12	9 10 51	11 05 41	12 56 10	14 51 08	16 55 57	19 06 12	21 10 51	23 05 41	00 56 10
23	2 55 07	5 00 15	7 10 30	9 14 50	11 09 24	12 59 52	14 55 07	17 00 17	19 10 30	21 14 50	23 09 24	00 59 52
24	2 59 08	5 04 35	7 14 48	9 18 48	11 13 05	13 03 36	14 59 08	17 04 35	19 14 48	21 18 48	23 13 05	01 03 36
25	3 03 09	5 08 54	7 19 05	9 22 45	11 16 47	13 07 20	15 03 09	17 08 54	19 19 05	21 22 45	23 16 47	01 07 20
26	3 07 11	5 13 14	7 23 21	9 26 41	11 20 29	13 11 04	15 07 11	17 13 14	19 23 21	21 26 41	23 20 28	01 11 04
27	3 11 13	5 17 34	7 27 37	9 30 37	11 24 11	13 14 48	15 11 13	17 17 34	19 27 37	21 30 37	23 24 11	01 14 48
28	3 15 17	5 21 54	7 31 53	9 34 32	11 27 51	13 18 32	15 15 17	17 21 54	19 31 53	21 34 32	23 27 51	01 18 32
29	3 19 21	5 26 15	7 36 08	9 38 27	11 31 32	13 22 17	15 19 21	17 26 15	19 36 08	21 38 27	23 31 32	01 22 17
30	3 23 26	5 30 36	7 40 22	9 42 20	11 35 13	13 26 03	15 23 26	17 30 36	19 40 22	21 42 20	23 35 13	01 26 03

Ready Table to know the star & pada of Planets and the Lagna

Sign	Star	1st pada	2nd pada	3rd pada	4th pada
Mesha	Aswini	3°-20'	6°-40'	10°-00'	13°-20'
0°-30°	Bharani	16°-40'	20°-00'	23°-20'	26°-40'
	Krittika	30°-00'	—	—	—
Vrishabha	Krittika	—	3°-20'	6°-40'	10°-00
30°-60°	Rohini	13°-20'	16°-40'	20°-00'	23°-20
	Mrigasira	26°-40'	30°-00'	—	—
Mithuna	Mrigasira	—	—	3°-20'	6°-40
60°-90°	Arudra	10°-00'	13°-20'	16°-40'	20°-00
	Punarvasu	23°-20'	26°-40'	30°-00'	—
Kataka	Punarvasu	—	—	—	3°-20
90°-120°	Pushya	6°-40'	10°-00'	13°-20'	16°-40
	Aslesha	20°-00'	23°-20'	26°-40'	30°-00
Simha	Makha	3°-20'	6°-40'	10°-00'	13°-20
120°-150°	Pubba	16°-40'	20°-00'	23°-20'	26°-40
	Uttara	30°-00'	—	—	—
Kanya	Uttara	—	3°-20'	6°-40'	10°-00
150°-180°	Hasta	13°-20'	16°-40'	20°-00'	23°-20
	Chitta	26°-40'	30°-00'	—	—
Thula	Chitta	—	—	3°-20'	6°-40
180°-210°	Swathi	10°-00'	13°-20'	16°-40'	20°-00
	Vishakha	23°-20'	26°-40'	30°-00'	—
Vrischika	Vishakha	—	—	—	3°-20
210°-240°	Anooradha	6°-40'	10°-00'	13°-20'	16°-40
	Jyesta	20°-00'	23°-20'	26°-40'	30°-00
Dhanus	Moola	3°-20'	6°-40'	10°-00'	13°-20
240°-270°	Poorvashada	16°-40'	20°-00'	23°-20'	26°-40
	Uttarashada	30°-00'	—	—	—
Makara	Uttarashada	—	3°-20'	6°-40'	10°-00
270°-300°	Shravana	13°-20'	16°-40'	20°-00'	23°-20
	Dhanistha	26°-40'	30°-00'	—	—
Kumbha	Dhanistha	—	—	3°-20'	6°-40
300°-330°	Shathabhisha	10°-00'	13°-20'	16°-40'	20°-00
	Poorvabhadra	23°-20'	26°-40'	30°-00	—
Meena	Poorvabhadra	—	—	—	3°-20'
330°-360°	Uttarabhadra	6°-40'	10°-00'	13°-20'	16°-40'
	Revathi	20°-00'	23°-20'	26°-40'	30°-00'

USEFUL TABLES

TABLE : Ready Table to increase LMT hours at 10 seconds per hour.

Time Hour	Increase Mts. Ses.	Time Hour	Increase Mts. Ses.	Time Mts.	Increase Mts. Ses.
1	+ 0–10	13	+ 2–08	6	+ 0–01
2	+ 0–20	14	+ 2–18	12	+ 0–02
3	+ 0–30	15	+ 2–28	18	+ 0–03
4	+ 0–39	16	+ 2–38	24	+ 0–04
5	+ 0–49	17	+ 2–48	30	+ 0–05
6	+ 0–59	18	+ 2–57	36	+ 0–06
7	+ 1–09	19	+ 3–07	42	+ 0–07
8	+ 1–19	20	+ 3–17	48	+ 0–08
9	1–29	21	+ 3–27	54	+ 0–09
10	+ 1–39	22	+ 3–37	60	+ 0–10
11	+ 1–48	23	+ 3–47		
12	+ 1–58	24	+ 3–57		

How to convert IST to LMT ?

LMT = IST ± 4 x (difference in Longitude between the place and 82°–30′)

\+ If the Longitude of the place is greater than 82°–30′

— If the Longitude of the place is less than 82°–30′

TABLES OF SHADVARGA

Signs (Zodiac has 12 signs. Each sign is of 30°)

1. Mesha	0° – 30°	5. Simha	120° – 150°	9. Dhanus	240° – 270°
2. Vrishabha	30° – 60°	6. Kanya	150° – 180°	10. Makara	270° – 300°
3. Mithuna	60° – 90°	7. Thula	180° – 210°	11. Kumbha	300° – 330°
4. Kataka	20° – 120°	8. Vrischika	210° – 240°	12. Meena	330° – 360°

Hora ($\frac{1}{2}$ of a sign. A sign is of 2 Horas)

Sign	I Hora (0°-15°)	II Hora (15°-30°)	Sign	I Hora (0°-15°)	II Hora (15°-30°)
Mesha	Sun	Moon	Thula	Sun	Moon
Vrishabha	Moon	Sun	Vrischika	Moon	Sun
Mithuna	Sun	Moon	Dhanus	Sun	Moon
Kataka	Moon	Sun	Makara	Moon	Sun
Simha	Sun	Moon	Kumbha	Sun	Moon
Kanya	Moon	Sun	Meena	Moon	Sun

Drekkanas (A sign is of 3 Drekkanas. Each Drekkanas is of 10°)

Sign	I Drekkana 0°–10°	II Drekkana 10°–20°	III Drekkana 20°–30°
Mesha	Mesha	Simha	Dhanus
Vrishabha	Vrishabha	Kanya	Makara
Mithuna	Mithuna	Thula	Kumbha
Kataka	Kataka	Vrischika	Meena
Simha	Simha	Dhanus	Mesha
Kanya	Kanya	Makara	Vrishabha
Thula	Thula	Kumbha	Mithuna
Vrischika	Vrischika	Meena	Kataka
Dhanus	Dhanus	Mesha	Simha
Makara	Makara	Vrishabha	Kanya
Kumbha	Kumbha	Mithuna	Thula
Meena	Meena	Kataka	Vrischika

Table of Navamsha (1/9th Division of a sign i.e. 3°-20′)

Sign	1st 0° 00′ to 3° 20′	2nd 3° 20′ to 6° 40′	3rd 6° 40′ to 10° 00′	4th 10° 0′ to 13° 20′	5th 13° 20′ to 16° 40′	6th 16° 40′ to 20° 00′	7th 20° 00′ to 23° 20′	8th 23° 20′ to 26° 40′	9th 26° 40′ to 30° 00′
1 Mesha	Mesha	Rishabha	Mithuna	Kataka	Simha	Kanya	Thula	Vrischika	Dhanus
2 Rishaba	Makara	Kumbha	Meena	Mesha	Rishabha	Mithuna	Kataka	Simha	Kanya
3 Mithuna	Thula	Vrischika	Dhanus	Makara	Kumbha	Meena	Mesha	Rishabha	Mithuna
4 Kataka	Kataka	Simha	Kanya	Thula	Vrischika	Dhanus	Makara	Kumbha	Meena
5 Simha	Mesha	Rishabha	Mithuna	Kataka	Simha	Kanya	Thula	Vrischika	Dhanus
6 Kanya	Makara	Kumbha	Meena	Mesha	Rishabha	Mithuna	Kataka	Simha	Kanya
7 Thula	Thula	Vrischika	Dhanus	Makara	Kumbha	Meena	Mesha	Rishabha	Mithuna
8 Vrischika	Kataka	Simha	Kanya	Thula	Vrischika	Dhanus	Makara	Kumbha	Meena
9 Dhanus	Mesha	Rishabha	Mithuna	Kataka	Simha	Kanya	Thula	Vrischika	Dhanus
10 Makara	Makara	Kumba	Meena	Mesha	Rishabha	Mithuna	Kataka	Simha	Kanya
11 Kumba	Thula	Vrischika	Dhanus	Makara	Kumba	Meena	Mesha	Rishabha	Mithuna
12 Meena	Kataka	Simha	Kanya	Thula	Vrischika	Dhanus	Makara	Kumbha	Meena

Dwadashamsha ($\frac{1}{12}$ Division of the Sign)

SIGN	2°-30′	5°-00′	7°-30′	10°-00′	12°-30′	15°-00′	17°-30′	20°-00′	22°-30′	25°-00′	27°-30′	30°-00′
Mes	Mes	Ris	Mit	Kat	Sim	Kan	Thu	Vri	Dha	Mak	Kum	Mee
Ris	Ris	Mit	Kat	Sim	Kan	Thu	Vri	Dha	Mak	Kum	Mee	Mes
Mit	Mit	Kat	Sim	Kan	Thu	Vri	Dha	Mak	Kum	Mee	Mes	Ris
Kat	Kat	Sim	Kan	Thu	Vri	Dha	Mak	Kum	Mee	Mes	Ris	Mit
Sim	Sim	Kan	Thu	Vri	Dha	Mak	Kum	Mee	Mes	Ris	Mit	Kat
Kan	Kan	Thu	Vri	Dha	Mak	Kum	Mee	Mes	Ris	Mit	Kat	Sim
Thu	Thu	Vri	Dha	Mak	Kum	Mee	Mes	Ris	Mit	Kat	Sim	Kan
Vri	Vri	Dha	Mak	Kum	Mee	Mes	Ris	Mit	Kat	Sim	Kan	Thu
Dha	Dha	Mak	Kum	Mee	Mes	Ris	Mit	Kat	Sim	Kan	Thu	Vri
Mak	Mak	Kum	Mee	Mes	Ris	Mit	Kat	Sim	Kan	Thu	Vri	Dha
Kum	Kum	Mee	Mes	Ris	Mit	Kat	Sim	Kan	Thu	Vri	Dha	Mak
Mee	Mee	Mes	Ris	Mit	Kat	Sim	Kan	Thu	Vri	Dha	Mak	Kum

Trimsamsha Table (1/30 part of a sign)

Signs						
	Mesha, Mithuna, Simha Thula, Dhanus, Kumbha	0°–5° Mars	5°–10° Saturn	10°–18' Jupiter	18°–25° Mercury	25°–30° Venus
	Vrishabha, Kataka, Kanya Vrischika, Makara, Meena	0°–5° Venus	5°–12° Mercury	12°–20° Jupiter	20°–25° Saturn	25°–30° Mars

Table of Ashtakavarga (A.V. = Ashtakavarga)

Planets From	Sun A. V. 48	Moon A. V. 49	Mars A. V. 39	Mercury A. V. 54
Sun	1–2–4–7–8–9–10–11	3–6–7–8–10–11	3–5–6–10–11	5–6–9–11–12
Moon	3–6–10–11	1–3–6–7–10–11	3–6–11	2–4–6–8–10–11
Mars	1–2–4–7–8–9–10–11	2–3–5–6–9–10–11	1–2–4–7–8–10–11	1–2–4–7–8–9–10–11
Mercury	3–5–6–9–10–11–12	1–3–4–5–7–8–10–11	3–5–6–11	1–3–5–6–9–10–11–12
Jupiter	5–6–9–11	1–4–7–8–10–11–12	6–10–11–12	6–8–11–12
Venus	6–7–12	3–4–5–7–9–10–11	6–8–11–12	1–2–3–4–5–8–9–11
Saturn	1–2–4–7–8–9–10–11	3–5–6–11	1–4–7–8–9–10–11	1–2–4–7–8–9–10–11
Lagna	3–4–6–10–11–12	3–6–10–11	1–3–6–10–11	1–2–4–6–8–10–11

Planets From	Jupiter A. V. 56	Venus A. V. 52	Saturn A. V. 39	
Sun	1–2–3–4–7–8–9–10–11	8–11–12	1–2 4 7–8–10–11	
Moon	2–5–7–9–11	1–2–3–4–5 8 9 11 12	3–6–11	
Mars	1–2–4–7–8–10–11	3–5–6–9–11–12	3–5–6–10–11–12	
Mercury	1–2–4–5–6–9–10–11	3–5–6–9–11	6–8–9–10–11–12	
Jupiter	1–2–3–4–7–8–10–11	5–8–9–10–11	5–6–11–12	
Venus	2–5–6–9–10–11	1–2–3–4–5–8–9–10–11	6–11–12	
Saturn	3–5–6–12	3–4–5–8–9–10–11	3–5–6–11	
Lagna	1–2–4–5–6–7–9–10–11	1–2–3–4–5–8–9–11	1–3–4–6–10–11	

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Sunrise for Northern Latitudes in Local Mean Time

Latitude →	0°		10°		15°		20°		25°		30°		35°		40°		45°		50°		55°		60°	
Date ↓	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M
January 1	5	59	6	16	6	26	6	35	6	45	6	56	7	08	7	22	7	38	7	59	8	25	9	03
11	6	04	6	20	6	29	6	38	6	48	6	57	7	09	7	22	7	37	7	56	8	21	8	55
21	6	07	6	22	6	30	6	38	6	47	6	56	7	06	7	18	7	32	7	48	8	09	8	39
February 1	6	10	6	23	6	29	6	36	6	44	6	51	6	59	7	09	7	21	7	35	7	52	8	15
11	6	11	6	21	6	26	6	32	6	38	6	43	6	51	6	58	7	07	7	18	7	33	7	50
21	6	10	6	18	6	22	6	26	6	30	6	34	6	40	6	46	6	53	7	01	7	06	7	23
March 1	6	09	6	15	6	18	6	20	6	24	6	27	6	31	6	35	6	39	6	45	6	49	7	01
11	6	07	6	10	6	11	6	13	6	15	6	16	6	17	6	19	6	21	6	23	6	26	6	30
21	6	04	6	04	6	04	6	04	6	04	6	03	6	03	6	03	6	02	6	02	6	02	6	01
April 1	6	00	5	57	5	56	5	54	5	52	5	49	5	47	5	44	5	42	5	38	5	32	5	27
11	5	58	5	52	5	49	5	46	5	43	5	39	5	35	5	30	5	24	5	17	5	07	4	57
21	5	55	5	46	5	43	5	37	5	32	5	27	5	21	5	15	5	06	4	57	4	44	4	27
May 1	5	54	5	43	5	38	5	32	5	25	5	18	5	10	5	01	4	50	4	38	4	17	4	00
11	5	53	5	40	5	33	5	25	5	17	5	09	5	00	4	49	4	36	4	21	4	00	3	32
21	5	53	5	38	5	30	5	22	5	13	5	04	4	53	4	40	4	25	4	07	3	43	3	11
June 1	5	54	5	38	5	30	5	20	5	10	4	59	4	47	4	33	4	17	3	56	3	29	2	50
11	5	56	5	38	5	30	5	20	5	09	4	58	4	45	4	30	4	12	3	51	3	21	2	38
21	5	58	5	40	5	30	5	21	5	10	4	59	4	46	4	31	4	13	3	50	3	20	2	35

		0°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
July	1	6 00	5 42	5 33	5 24	5 13	5 02	4 49	4 34	4 16	3 54	3 24	2 41
	11	6 03	5 45	5 36	5 27	5 17	5 06	4 54	4 40	4 23	4 02	3 35	2 55
	21	6 03	5 47	5 39	5 31	5 22	5 12	5 0	4 47	4 32	4 13	3 49	3 14
August	1	6 03	5 49	5 42	5 35	5 26	5 18	5 09	4 58	4 45	4 29	4 03	3 39
	11	6 02	5 51	5 46	5 39	5 31	5 25	5 16	5 07	4 56	4 42	4 26	4 02
	21	6 00	5 51	5 46	5 41	5 35	5 30	5 24	5 17	5 08	4 57	4 44	4 27
September	1	5 57	5 51	5 48	5 44	5 40	5 36	5 32	5 27	5 21	5 14	5 05	4 54
	11	5 44	5 50	5 48	5 46	5 44	5 42	5 39	5 36	5 32	5 29	5 24	5 17
	21	5 50	5 49	5 49	5 48	5 48	5 47	5 46	5 46	5 45	5 44	5 42	5 41
October	1	5 47	5 49	5 50	5 50	5 52	5 53	5 54	5 56	5 57	5 59	6 01	6 04
	11	5 44	5 48	5 50	5 53	5 56	5 59	6 02	6 06	6 10	6 14	6 20	6 28
	21	5 42	5 49	5 53	5 57	6 01	6 05	6 10	6 16	6 23	6 31	6 40	6 53
November	1	5 40	5 50	5 55	6 01	6 07	6 14	6 21	6 28	6 38	6 44	7 03	7 21
	11	5 41	5 53	5 59	6 06	6 14	6 21	6 30	6 40	6 51	7 02	7 23	7 46
	21	5 42	5 57	6 05	6 12	6 20	6 30	6 40	6 51	7 05	7 22	7 43	8 11
December	1	5 46	6 02	6 10	6 19	6 28	6 38	6 49	7 02	7 18	7 36	8 00	8 34
	11	5 49	6 06	6 15	6 24	6 34	6 46	6 58	7 11	7 28	7 48	8 14	8 52
	21	5 55	6 12	6 21	6 31	6 40	6 52	7 04	7 19	7 35	7 56	8 23	9 02

For any intermediate latitude and/or date, the local Sunrise time can be got by simple interpolation.

N. B :- After getting the Local time of Sunrise for any required place, see Table–1, add the correction of time if it is – (minus) and subtract if it is + (plus). You will get Sunrise in Standard Time for that place.

Hindu Years & their corresponding English Years (1900-2019 A.D.)

1	Prabhava	1927 1987	21	Sarvajittu	1947 2007	41	Plavanga	1907 1967
2	Vibhava	1928 1988	22	Sarvadhari	1948 2008	42	Keelaka	1908 1968
3	Sukla	1929 1989	23	Virodhi	1949 2009	43	Sowmya	1909 1969
4	Pramodutha	1930 1990	24	Vikruti	1950 2010	44	Sadharana	1910 1970
5	Prajotpatti	1931 1991	25	Khara	1951 2011	45	Virodikruthu	1911 1971
6	Angirasa	1932 1992	26	Nandana	1952 2012	46	Paridavi	1912 1972
7	Srimukha	1933 1993	27	Vijaya	1953 2013	47	Pramadicha	1913 1973
8	Bhava	1934 1994	28	Jaya	1954 2014	48	Ananda	1914 1974
9	Yuva	1935 1995	29	Manmatha	1955 2015	49	Rakshasa	1915 1975
10	Dhathu	1936 1996	30	Durmukhi	1956 2016	50	Nala	1916 1976
11	Iswara	1937 1997	31	Hevalambi	1957 2017	51	Pingala	1917 1977
12	Bahudhanya	1938 1998	32	Vilambi	1958 2018	52	Kalayukti	1918 1978
13	Pramadhi	1939 1999	33	Vikari	1959 2019	53	Siddharthi	1919 1979
14	Vikrama	1940 2000	34	Sarvari	1960 1900	54	Rowdri	1920 1980
15	Vrishu	1941 2001	35	Plava	1961 1901	55	Durmathi	1921 1981
16	Chitrabhanu	1942 2002	36	Subhakrutu	1962 1902	56	Dundubhi	1922 1982
17	Swabhanu	1943 2003	37	Sobhakrutu	1963 1903	57	Rudhirodgari	1923 1983
18	Tarana	1944 2004	38	Krodhi	1964 1904	58	Raktakshi	1924 1984
19	Parthiva	1945 2005	39	Viswavasu	1965 1905	59	Krodhana	1925 1985
20	Vyaya	1946 2006	40	Parabhava	1966 1906	60	Akshaya	1926 1986

LAGNA Durations in Ghatikas and Vighatikas as per Panchangam for All places of 0°-52° North Latitude - (Nirayana)

Lat.	Aries	Taurus	Gemini	Cancer	Leo	Virgo	Libra	Scorpio	Sagi-ttarius	Capri-carn	Aqua-rius	Pisces
	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.
0°	4 53	5 17	5 25	5 5	4 43	4 37	4 53	5 17	5 25	5 5	4 43	4 37
1	4 51	5 16	5 25	5 7	4 45	4 39	4 55	5 18	5 25	5 3	4 41	4 35
2	49	15	26	8	47	41	4 57	19	24	5 2	39	33
3	48	14	26	9	49	43	4 58	20	24	5 1	37	31
4	46	13	26	11	51	45	5 0	21	24	4 59	35	29
5	44	12	26	13	53	47	5 2	22	24	4 57	33	27
6	42	11	27	14	55	49	4	23	23	56	31	25
7	4 40	5 10	5 27	5 15	4 57	4 51	5 6	5 24	5 23	4 55	4 29	4 23
8	38	9	27	17	4 59	53	8	25	23	53	27	21
9	37	8	28	18	5 1	4 55	9	26	22	52	15	19
10	35	7	28	20	5 3	4 57	11	27	22	50	23	17
11	33	6	29	21	5	5 0	13	28	21	49	21	14
12	31	5	29	23	7	5 2	15	29	21	47	19	12
13	29	4	29	24	9	4	17	30	21	46	17	10
14	27	3	30	25	11	6	19	31	20	45	15	8
15	25	2	30	27	13	8	21	32	20	43	13	6
16	24	5 1	31	29	16	10	22	33	19	41	10	4 4
17	22	5 0	31	30	18	13	24	34	19	40	8	4 1
18	20	4 59	32	32	20	15	26	35	15	38	6	3 59
19	18	4 57	32	34	22	17	28	37	18	36	4 4	3 57
20	16	56	33	35	24	20	30	38	17	35	4 2	3 54
21	14	55	33	37	27	22	32	39	17	33	3 59	3 52
22	12	54	33	39	29	25	34	40	17	31	3 57	49
23	9	53	34	40	31	27	37	41	16	30	55	47
24	7	52	34	42	34	29	39	42	16	28	52	45
25	5	51	34	44	36	32	41	43	16	26	50	42

| | | |

Rahukala, Gulikala & Yamagandakala in the day timings

Week day	Rahu kala	Gulika kala	Yamaganda kala.
Sunday	4.30 to 6.00	3.00 to 4.30	12.00 to 1.30
Monday	7.30 to 9.00	1.30 to 3.00	10.30 to 12.00
Tuesday	3.00 to 4.30	12.00 to 1.30	9.00 to 10.30
Wednesday	12.00 to 1.30	10.30 to 12.00	7.30 to 9.00
Thursday	1.30 to 3.00	9.00 to 10.30	6.00 to 7.30
Friday	10.30 to 12.00	7.30 to 9.00	3.00 to 4.30
Saturday	9.00 to 10.30	6.00 to 7.30	1.30 to 3.00

Conversion table of Ghatikas & Vighatikas to Hours, Minutes & Seconds

G.H.M.	G.H.M.	G.H.M.	V.M.S.	V.M.S.	V.M.S.
1-00.24	21-08.24	41-16.24	1-00.24	21-08.24	41-16.24
2-00.48	22-08.48	42-16.48	2-00.48	22-08.48	42-16.48
3-01.12	23-09.12	43-17.12	3-01.12	23-09.12	43-17.12
4-01.36	24-09.36	44-17.36	4-01.36	24-09.36	44-17.36
5-02.10	25-10.00	45-18.00	5-02.00	25-10.10	45-18.00
6-02.24	26-10.24	46-18.24	6-02.24	26-10.24	46-18.24
7-02.48	27-10.48	47-18.48	7-02.48	27-10.48	47-18.48
8-03 12	28-11.12	48-19.12	8-03.12	28-11.12	48-19.12
9-03.36	29-11.36	49-19.36	9-03.36	29-11.36	49-19.36
10-04 00	30-12.00	50-20 00	10-04.00	30-12.00	50-20.00
11-04.24	31-12.24	51-20.24	11-04.24	31-12.24	51-20.24
12-04.48	32-12 48	52-20.48	12-04.48	32-12.48	52-20.48
13-05.12	33-13.12	53-21.12	13-05.12	33-13.12	53-21.12
14-05.36	34-13.36	54-21.36	14-05.36	34-13.36	54-21.36
15-06.00	35-14 00	55-22.00	15-06.00	35-14 00	55-22.00
16-06.24	36-14.24	56-22.24	16-06.24	36-14.24	56-22.24
17-06.48	37-14.48	57-22.48	17-06.48	37-14.48	57-22.24
18-07.12	38-15.12	58-23.12	18-07.12	38-15.12	58-23.12
19-07.36	39-15.36	59-23.36	19-07.36	39-15.36	59-23.36
20-08 00	40-16.00	60-24.00	20-08.00	40-16.00	60-24.00

(G=ghati, V=vighati, H=hour, M=minuts, S=seconds)

ELEMENTS OF PANCHANGA (Hindu Almanac)

Thithi : (Lunar date) The longitudinal distance of the Moon from the Sun is known as thithi. (For every 12° one thithi is formed.)

If the Moon is within	0° to 12°	from the Sun	1st thithi	Prathama
,,	12° to 24°	,,	2nd ,,	Dwitheeya
,,	24° to 36°	,,	3rd ,,	Thritheeya
,,	36° to 48°	,,	4th ,,	Chathurthi
,,	48° to 60°	,,	5th ,,	Panchami
,,	60° to 72°	,,	6th ,,	Shashti
,,	72° to 84°	,,	7th ,,	Sapthami
,,	84° to 90°	,,	8th ,,	Astami
,,	96° to 108°	,,	9th ,,	Navami
,,	108° tot120°	,,	10th ,,	Dashami
,,	120° to 132°	,,	11th ,,	Ekadashi
,,	132° to 144°	,,	12th ,,	Dwadashi
,,	144° to 156°	,,	13th ,,	Thrayodashi
,,	156° to 168°	,,	14th ,,	Chathurdashi
,,	168° to 180°	,,	15th ,,	Poornima
,,	180° to 192°	,,	1st ,,	Prathama
,,	192° to 204°	,,	2nd ,,	Dwitheeya
,,	204° to 216°	,,	3rd ,,	Thritheeya
,,	216° to 228°	,,	4th ,,	Chathurthi
,,	228° to 240°	,,	5th ,,	Panchami
,,	240° to 252°	,,	6th ,,	Shasti
,,	252° to 264°	,,	7th ,,	Sapthami
,,	264° to 276°	,,	8th ,,	Astami
,,	276° to 288°	,,	9th ,,	Navami
,,	288° to 300°	,,	10th ,,	Dashami
,,	300° to 312°	,,	11th ,,	Ekadashi
,,	312° to 324°	,,	12th ,,	Dwadashi
,,	324° to 336°	,,	13th ,,	Thrayodashi
,,	336° to 348°	,,	14th ,,	Chathurdashi
,,	348° to 360°	,,	15th ,,	Amavasya

From 0° to 180° it is Sukla Paksha. (Waxing Moon)
From 180° to 360° Krishna Paksha. (Waning Moon)

YOGA (DINA YOGA)

Yoga : Add the longitudes of the Sun and the Moon & find where this total will tall under this table and note the yoga formed. If the total exceeds more than 12 signs deduct so much and see for the remainder. (S=sign, D=degree, M=minute)

		S.D.M.		S.D.M.	
1.	From	0- 0- 0	to	0-13-20	Vishkambha
2.	,,	0-13-20	to	0-26-40	Priti
3.	,,	0-26-40	to	1-10- 0	Ayushman
4.	,,	1-10- 0	to	1-23-20	Sowbhagya
5.	,,	1-23-20	to	2- 6-40	Shobhana
6.	,,	2- 6-40	to	2-20- 0	Atiganda
7.	,,	2-20- 0	to	3- 3-20	Sukarma
8.	,,	3- 3-20	to	3-16-40	Dhruti
9.	,,	3-16-40	to	4- 0- 0	Shoola
10.	,,	4- 0- 0	to	4-13-20	Ganda
11.	,,	4-13-20	to	4-26-40	Vruddhi
12.	,,	4-26-40	to	5-10- 0	Dhruva
13.	,,	5-10- 0	to	5-23-20	Vyaaghata
14.	,,	5-23-20	to	6- 6-40	Harshana
15.	,,	6- 6-40	to	6-20- 0	Vajra
16.	,,	6-20- 0	to	7- 3-20	Siddhi
17.	,,	7- 3-20	to	7-16-40	Vyatipata
18.	,,	7-16-40	to	8- 0- 0	Variyan
19.	,,	8- 0- 0	to	8-13-20	Parigha
20.	,,	8-13-20	to	8-26-40	Shiva
21.	,,	8-26-40	to	9-10- 0	Siddha
22.	,,	9-10- 0	to	9-23-20	Sadhya
23.	,,	9-23-20	to	10- 6-40	Shubha
24.	,,	10- 6-40	to	10-20- 0	Shukla
25.	,,	10-20- 0	to	11- 3-20	Brahma
26.	,,	11- 3-20	to	11-16-40	Indra
27.	,,	11-16-40	to	12- 0- 0	Vaidhruti

KARANA

Half of a **Tithi** is called a **Karana.** The following table gives an idea of the two **Karanas** into which a **Tithi** is divided.

Bright Half of the Month (Shukla Paksha)		Dark Half of the Month (Krishna Paksha)	
Tithi	First Karana / Second Karana	Tithi	First Karana / Second Karana
1.	Kinstughna / Bava	1.	Balava / Kaulava
2.	Balava / Kaulava	2.	Taitila / Gara
3.	Taitila / Gara	3.	Vanija / Vishti
4.	Vanija / Vishti	4.	Bava / Balava
5.	Bava / Balava	5.	Kaulava / Taitila
6.	Kaulava / Taitila	6.	Gara / Vanija
7.	Gara / Vanija	7.	Vishti / Bava
8.	Vishti / Bava	8.	Balava / Kaulava
9.	Balava / Kaulava	9.	Taitila / Gara
10.	Taitila / Gara	10.	Vanija / Vishti
11.	Vanija / Vishti	11.	Bava / Balava
12.	Bava / Balava	12.	Kaulava / Taitila
13.	Kaulava / Taitila	13.	Gara / Vanija
14.	Gara / Vanija	14.	Vishti / Shakuna
15.	Vishti / Bava	15.	Chatushpada / Naga

Thus, if you divide the duration of the first lunar **tithi** of the bright half of the month into two parts, during the first half there will be **Kinstughna Karana;** in the second half **Bava Karana.**

These seven **Karanas, Bava, Balava, Kaulava, Taitila, Gara, Vanija** and **Vishti,** come in regular order, as will be evident from the above Table.

VIMSOTTARI DASA AND ANTARDASA

Antardasa	Sun(Ravi)-6						Moon (Chandra)-10						Mars (Mangala)-7					
	Sub Periods			Total			Sub Periods			Total			Sub Periods			Total		
	y	m	d	y	m	d	y	m	d	y	m	d	y	m	d	y	m	d
Sun	0	3	18	0	3	18		—			—			—			—	
Moon	0	6	0	0	9	18	0	10	0	0	10	0		—			—	
Mars	0	4	6	1	1	24	0	7	0	1	5	0	0	4	27	0	4	27
Rahu	0	10	24	2	0	18	1	6	0	2	11	0	1	0	18	1	5	15
Jupiter	0	9	18	2	10	6	1	4	0	4	3	0	0	11	6	2	4	21
Saturn	0	11	12	3	9	18	1	7	0	5	10	0	1	1	9	3	6	0
Mercury	0	10	6	4	7	24	1	5	0	7	3	0	0	11	27	4	5	27
Ketu	0	4	6	5	0	0	0	7	0	7	10	0	0	4	27	4	10	24
Venus	1	0	0	6	0	0	1	8	0	9	6	0	1	2	0	6	0	24
Sun		—			—		0	6	0	10	0	0	0	4	6	6	5	0
Moon		—			—			—			—		0	7	0	7	0	0

	Rahu-18						Jupiter (Guru)-16						Saturn (Sani)-19					
Rahu	2	8	12	2	8	12		—			—			—			—	
Jupiter	2	4	24	5	1	6	2	1	18	2	1	18		—			—	
Saturn	2	10	6	7	11	12	2	6	12	4	8	0	3	0	3	3	0	3
Mercury	2	6	18	10	6	0	2	3	6	6	11	6	2	9	9	5	8	12
Ketu	1	0	18	11	6	18	0	11	6	7	10	12	1	1	9	6	9	21
Venus	3	0	0	14	6	18	2	8	0	10	6	12	3	2	0	9	11	21
Sun	0	10	24	15	5	12	0	9	18	11	4	0	0	11	12	10	11	3
Moon	1	6	0	16	11	12	1	4	0	12	8	0	1	7	0	12	6	3
Mars	1	0	18	18	0	0	0	11	6	13	7	6	1	1	9	13	7	12
Rahu		—			—		2	4	24	16	0	0	2	10	6	16	5	18
Jupiter		—			—			—			—		2	6	12	19	0	0

	Mercury(Budha)-17						Ketu-7						Venus (Sukra)-20					
Mercury	2	4	27	2	4	27		—			—			—			—	
Ketu	0	11	27	3	4	24	0	4	27	0	4	27		—			—	
Venus	2	10	0	6	2	24	1	2	0	1	6	27	3	4	0	3	4	0
Sun	0	10	6	7	1	0	0	4	6	1	11	3	1	0	0	4	4	0
Moon	1	5	0	8	6	0	0	7	0	2	6	3	1	8	0	6	0	0
Mars	0	11	27	9	5	27	0	4	27	2	11	0	1	2	0	7	2	0
Rahu	2	6	18	12	0	15	1	0	18	3	11	18	3	0	0	10	2	0
Jupiter	2	3	6	14	3	21	0	11	6	4	10	24	2	8	0	12	10	0
Saturn	2	8	9	17	0	0	1	1	9	6	0	3	3	2	0	16	0	0
Mercury		—			—		0	11	27	7	0	0	2	10	0	18	10	0
Ketu		—			—			—			—		1	2	0	20	0	0

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ಕೆ. ನಾಗರಾಜರಾವ್‌ರವರ ವಿಶ್ವವಿಖ್ಯಾತ ಗ್ರಂಥಗಳು

ನಿತ್ಯೋಪಯುಕ್ತ ದೇವತಾ ಸ್ತೋತ್ರಗಳು :- 150 ದೇವತೆಗಳ ಸ್ತೋತ್ರಗಳ ಒಂದು ಪ್ರಾರ್ಥನ ಗ್ರಂಥ. ಇದರಲ್ಲಿ ಐಶ್ವರ್ಯಪ್ರಾಪ್ತಿಗೆ, ಸಾಲಗಳ ಬಿಡುಗಡೆಗೆ, ರೋಗಗಳ ನಿವಾರಣೆಗೆ, ನವಗ್ರಹಪೀಡಾ ಪರಿಹಾಕ್ಕೆ, ವಿವಾಹಕಾರ್ಯ ಸಿದ್ಧಿಗೆ, ಮಂಗಳ ದೋಷ ನಿವಾರಣೆಗೆ, ಶತ್ರುಬಾಧೆ ನಿವಾರಣೆಗೆ, ವಿದ್ಯೆ ಪ್ರಾಪ್ತಿಗೆ, ಸಂಕಟಗಳ ನಿವಾರಣೆಗೆ, ಆಯುಷ್ಯ ವೃದ್ಧಿಗೆ, ವ್ಯಾಪಾರ ವೃದ್ಧಿಗೆ ತಕ್ಕಂತಹ ದೇವತಾ ಸ್ತೋತ್ರಗಳಿವೆ. ಬ್ರಹ್ಮ, ವಿಷ್ಣು, ಮಹೇಶ್ವರ, ನರಸಿಂಹ, ದತ್ತಾತ್ರೇಯ, ಲಕ್ಷ್ಮೀ, ಸರಸ್ವತಿ, ಪಾರ್ವತಿ, ರಾಜೇಶ್ವರಿ, ಭುವನೇಶ್ವರಿ, ವರಲಕ್ಷ್ಮಿ, ಆಂಜನೇಯ, ರಾಮ, ಕೃಷ್ಣ, ಗಾಯಿತ್ರಿ, ಅನ್ನಪೂರ್ಣ ಸ್ತೋತ್ರಗಳಿವೆ. ಸಂತಾನ ಪ್ರಾಪ್ತಿಗೆ, ಉತ್ತಮ ಪತಿ-ಪತ್ನಿ ದೊರಕಲು, ಮಾಂಗಲ್ಯ ವೃದ್ಧಿಗೆ, ಗ್ರಹಣ ಶಾಂತಿಗೆ ಶ್ಲೋಕಗಳಿವೆ. ಪ್ರತಿ ಹೆಬ್ಬದಲ್ಲೂ ಹೇಳಲು ಪ್ರತಿದೇವತೆಗೆ ಒಂದು ಸ್ತೋತ್ರವುಂಟು. ಒಂದು ಮಿನಿ ಪ್ರಾರ್ಥನಾ ಗ್ರಂಥ. ಬೆಲೆ : 4 ರೂ.

ನಕ್ಷತ್ರ ಜಾತಕ :- ಮುಂದಿನ 15 ವರ್ಷಗಳಲ್ಲಿ ಅಂದರೆ 1986 ರಿಂದ 2000 ಇಸವಿವರೆಗೆ ಪ್ರತಿಯೊಬ್ಬರ ರಾಶಿಗೆ ಗುರು, ಶನಿಗ್ರಹಗಳ ಫಲವನ್ನು ಸುಲಭವಾಗಿ ತಿಳಿಯಿರಿ. ಏಳರಾಟ ಶನಿಕಾಟ ಯಾವ ರಾಶಿ ಯಾವ ವರ್ಷ, (ಸಾಡೇಸಾತಿ), ಅಷ್ಟಮ ಶನಿಕಾಟ ಯಾರಿಗೆ ಯಾವ ರೀತಿ ತಿಳಿಯಿರಿ. ನಿಮ್ಮ ಹೆಸರಿನ ರೀತ್ಯ ಇಲ್ಲವೇ ಜನ್ಮನಕ್ಷತ್ರ ರೀತ್ಯ ರಾಶಿ ತಿಳಿದು ನಿಮಗೆ ಲಾಭ ತರುವ ವ್ಯಾಪಾರ, ವ್ಯವಹಾರ ಯಾವುದೆಂದು ತಿಳಿಯಿರಿ. ನಿಮಗೆ ಶುಭ ಅಶುಭ ದಿನಗಳು, ಜೀವನ ಪರ್ಯಂತದಲ್ಲಿ ಒದಗುವ ಕಂಟಕಗಳು, ಗಂಡಾಂತರಗಳು ಹಾಗೂ ಅವುಗಳ ಪರಿಹಾರ ಸಲಹೆಯನ್ನೂ ಜ್ಯೋತಿಷಿಯ ಸಹಾಯವಿಲ್ಲದೆ ತಿಳಿಯಿರಿ. ವಿವಾಹ ಯಾರೊಂದಿಗೆ ಯಾವ ರಾಶಿಯವರು ಮಾಡಿಕೊಂಡಲ್ಲಿ ಸುಖ-ಶಾಂತಿ ಲಭಿಸುವುದೆಂದು ತಿಳಿಯಿರಿ. ಮಹಾನಕ್ಷತ್ರ, ಕ್ರೂರನಕ್ಷತ್ರಗಳ ವ್ಯಕ್ತಿಗಳ ಫಲ ಅರಿಯಿರಿ. ಯಾವ ನಕ್ಷತ್ರದಲ್ಲಿ ಯೌವ ಕಾರ್ಯ ಮಾಡುವುದೆಂದು ಮುನ್ಸೂಚನೆ ಪಡೆಯಿರಿ, ಸ್ತ್ರೀಯರಿಗೆ ಕೆಲವೊಂದು ವಿಶೇಷ ಫಲಗಳೂ ಇವೆ. ಇವನ್ನು "ನಕ್ಷತ್ರ ಜಾತಕ" ವೆಂಬ ಸಮಗ್ರ ನಕ್ಷತ್ರ ಫಲ ಗ್ರಂಥದಲ್ಲಿ ಓದಿ ಅರಿಯಿರಿ. ಬೆಲೆ : 24 ರೂ.